



STARFACE
COMFORTPHONING



STARFACE

UCC CLIENT FOR WINDOWS

Manual

www.starface.com

STARFACE UCC Client for Windows Manual for Version 6.6.0.X / edition 02

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Table of Contents

Table of Contents	3
1 About this manual	7
1.1 Special font styles in this manual	7
1.2 Specific terminology in this manual	7
2 System requirements	9
2.1 Network and Firewall (general)	9
2.2 Windows operating systems	9
2.2 Licences for the UCC client	10
2.2.1 Comparison between basic and premium version	11
3 Installation of the UCC client	12
3.1 Download the installation file	12
3.2 Installation of the UCC client	12
3.3 Initial configuration of the UCC client	12
4 Settings in the UCC client	14
4.1 Basics	14
4.1.1 Profile	14
4.1.2 Registration	15
4.1.3 Display	16
4.1.4 Hotkeys	16
4.2 Telephony	17
4.2.1 Softphone	17
4.2.2 Audio	18
4.2.3 Ringing	18
4.2.4 Call Manager	19
4.2.5 Video	19
4.3 Chat & Status	20
4.3.1 Chat	20
4.3.2 Status	21
4.3.3 Chat Status Presets	22
4.4 Browser	22
4.4.1 Adding URL	22
4.4.2 Editing Call Action URL	23
4.5 Expert mode	24
5 Operation of the UCC client	25
5.1 Windows in the UCC client	25
5.1.1 Special selections under “View”	25
5.1.2 Moving of windows	25
5.1.3 Use windows outside the main window	26

5.1.4 Coupling the window	26
5.2 Quick Access Bar	26
5.2.1 mySelf Status	27
5.2.2 Search field	28
5.2.3 Redirections	29
5.2.4 Menu Icons	29
5.3 Call Manager	30
5.3.1 Dial box in Call Manager	30
5.3.2 General information in Call Manager	30
5.3.3 DTMF numerical keypad in Call Manager	31
5.3.4 Buttons during an incoming call	31
5.3.5 Buttons during an outgoing call	32
5.3.6 Buttons during an active call	33
5.3.6.1 Hold	33
5.3.6.2 Conference	34
5.3.6.3 Interaction	35
5.3.6.4 Functions	35
5.4 Address Book	36
5.4.1 Show Contact	37
5.4.2 Editing contact	38
5.4.3 Add contact	38
5.5 Call Lists	38
5.5.1 Graphical labeling of call list entries	39
5.5.2 Context menu of call list entries	39
5.6 Voicemails	39
5.6.1 Listening to a Voicemail Message	40
5.6.2 Context menu for voice mail entries	40
5.6.3 Context menu for recorded calls	40
5.7 Function Keys	40
5.7.1 Add function key	41
5.7.2 Move and remove function keys	42
5.7.3 Busy Lamp Field	42
5.7.4 Speed Dial	42
5.7.5 Redirection (Single)	43
5.7.6 Redirection (All)	43
5.7.7 Group Log On / Off	43
5.7.8 DND	44
5.7.9 Call Completion on Busy	44
5.7.10 Park & Orbit	44
5.7.11 Display Number	45
5.7.12 Activate Modules	45
5.7.13 Phonemenu: Addressbook	45

5.7.14 Phonemenu: Call Lists	46
5.7.15 DTMF	46
5.7.16 Phone-Specific URL	46
5.7.16 Empty Key	46
5.8 Redirections	47
5.9 iFMC	47
5.10 Chat	48
5.10.1 Static chat rooms	49
5.10.2 Chat history	50
5.10.3 Emojis in chat	51
5.11 Fax Lists	52
5.11.1 Send faxes via fax printer	52
5.11.2 Graphical labelling of fax list entries	53
5.11.3 Context menu of fax list entries	53
5.12 Conferences	54
5.12.1 Schedule a new conference	54
5.12.2 Planned Conferences	55
5.12.3 Finished Conferences	55
5.13 Drag & Drop in the UCC Client	56
5.14 Integration in Microsoft Outlook	57
5.14.1 General configuration in Outlook	57
5.14.2 Contacts folder in Outlook	58
5.14.3 Address books in Outlook	58
5.14.4 Telephone number fields	58
5.15 Integration of the Snom D7	58
5.16 Updating the UCC Client	58
<u>Appendix</u>	<u>60</u>
6.1 Information for headsets	60
6.2 Mute on incoming calls	60
6.3 Call setup by command line call	60
6.4 Fax transmission via command line call	60
6.5 Overview of the TAPI functions	61
6.6 Create Support Package	62
6.7 Perform Audio Performance Test	63
6.8 Manual registration of the Outlook Connector	63
6.9 Filing directory of the log files	64
6.9.1 Enable Windows Installer Logging	65
6.9.2 Logging the Outlook Connector	65
6.10 Manual registration of the Outlook Connector	65
6.11 Installation without internet connection	66
6.11.1 Command line options for installation	67

6.11.1.1 Further application examples	68
6.11.2 Specification of a configuration during the rollout	68
6.11.2.1 Explanation of the default files	69
6.11.2.2 Prevent manual update	70

1 About this manual

Congratulations and thank you for choosing the STARFACE UCC Client for Windows.

This manual covers the following topics:

- Installing the STARFACE UCC Client for Windows
- Configuration and administration of the STARFACE UCC Client for Windows
- Operation of the STARFACE UCC Client for Windows

The target group of this document are administrators and users, who already have basic knowledge in the areas of telephony and general handling of STARFACE.

In addition to this manual, there is the STARFACE Administration Manual, which guides you step by step through the administration of STARFACE.

The administration manual is available for free download on the STARFACE website ([Download area of the manuals](#)).

Please note that the STARFACE UCC Client for Windows is a software product that is constantly being developed and improved. Installing updates or patches can also change the functionality or appearance of certain control elements. We expressly reserve the right to make changes and further developments that serve the purpose of technical progress.

We gladly accept any suggestions or hints for errors in the manual at any time.

We look forward to welcoming you as a new member of the growing STARFACE community and wish you lots of fun and success in your daily work with the STARFACE UCC Client.

1.1 Special font styles in this manual

Within the text the different actions and labels of the surface of STARFACE are indicated by the following formatting:

Buttons in the STARFACE UCC Client for Windows:	Sample text
Designations in the STARFACE UCC Client for Windows:	Sample text
Keystrokes and file paths:	<i>/pfad1/ordner1/</i>
Cross references within the manual:	“1.1.1 - Chapter”
Notes and important comments:	

Note: Sample text

1.2 Specific terminology in this manual

Within this manual, different fixed terms will occur repeatedly, so here is a glossary with a brief explanation of the key terms:

UCC Client: This designation always means the STARFACE UCC Client for Windows in its entirety and the abbreviated notation only serves for better readability of the texts.

Telephone system: This term refers to the STARFACE appliance/VM/cloud entity used to which the UCC client is to be or is connected.

As a rule, no distinction is made between the 3 different operating modes. Should this distinction be necessary, it will be made in the appropriate text or headline.

The UCC Client for Windows can only be operated with a STARFACE Appliance/VM/Cloud entity and is not compatible with the telephone systems of other manufacturers.

BLF: This abbreviation stands for the term “Busy Lamp Field”. This is a user-related function key type.

2 System requirements

There are certain technical requirements to be met if the UCC client is to be used. These requirements are detailed here, separated according to the respective areas.

The use of the UCC client is only possible from version 6.X of the telephone system. It is recommended to use the latest version of the UCC client in combination with the latest version of the telephone system.

2.1 Network and Firewall (general)

The following ports must be enabled in both directions between the telephone system and the UCC client to use the UCC client.

The indication of the respective log is made in the bracket, directly behind the port:

- 80 (TCP) - Access to the telephone system address book
- 443 (TCP) - Access to the telephone system address book
- 5060 (UDP) - Use by SIP (e.g., call setup)
- 5061 (TCP) - TLS encryption
- 5222 (TCP) - Login to the XMPP server of the telephone system
- 10.000 to 20.000 (UDP) - incoming RTP audio data
- 20.000 to 65.535 (UDP) - outgoing RTP audio data

Depending on the network architecture and the basic firewall settings, these releases must be made at various points in the existing infrastructure.

Note: It is not recommended to use the softphone functionality of the UCC client on a terminal server. The high network load often causes problems with voice quality.

2.2 Windows operating systems

The UCC client has been tested successfully with the following Windows operating systems:

- Windows 7 (32bit / 64bit)
- Windows 8 (32bit / 64bit)
- Windows 8.1 (32bit / 64bit)
- Windows 10 (32bit / 64bit)
- Windows Server 2008 R2 (Terminal-Server)
- Windows Server 2012 R2 (Terminal-Server)
- Windows Server 2016 (Terminal-Server)

The STARFACE Outlook Connector is part of the UCC Client for Windows and has been successfully tested with the following versions of Microsoft Office:

- Microsoft Office 2010
- Microsoft Office 2013 (32bit / 64bit)

- Microsoft Office 2016 (32bit / 64bit)
- Microsoft Office 2019 (32bit / 64bit)

Individual features of the STARFACE Outlook Connector can only be used from a certain version of Outlook. In these cases, this is noted in the respective features.

To use the UCC Client for Windows, you also need the following two programs:

- Microsoft .NET Framework 4.5.1
- Ghostscript 9.15 (32bit / 64bit)

These two programs can also be optionally installed during the installation of the UCC client via exe file. When installing via MSI file, these two programs are not installed.

Note: The Ghostscript program is only needed if the fax functionality of the UCC client is to be used.

2.2 Licences for the UCC client

The basic version of the UCC client is free of charge and no licences need to be uploaded to the telephone system for use.

If the UCC Client Premium is to be used, the appropriate fee-based licences of the “UCC Softphone” type must be installed on the telephone system.

In addition, the authorisation “UCC Premium Features” must be set on the telephone system for the respective user.

Note: It is not mandatory for every user to buy a paid licence. The number of licences for the premium version of the UCC Client can be purchased in stages.

A “TSP for terminal” licence is required so that the UCC client can be operated via Remote Desktop on a Windows server.

All other remote desktop accesses are possible without a licence, such as when the UCC client is installed on Windows 7 and accessed via Remote Desktop on the machine.

The documentation for importing the licences can be found in the administration manual of STARFACE ([Link to download the manual](#)).

2.2.1 Comparison between basic and premium version

For a direct comparison of the functionality between the Basic and Premium versions of the UCC Client, see the following table:

Scope of functions	Basic	Premium
UCC desktop is customisable by the user according to individual wishes	✓	✓
Fax Printer	✓	✓
TAPI driver	✓	✓
Outlook Integration	✓	✓
Chat-Client with history	✓	✓
Integrated softphone	---	✓
Automatic updates of the client	✓	✓
Configuration of iFMC	✓	✓
Video calling		✓
Screensharing		✓
Remote control		✓
Configure scheduled conferences	✓	✓
Quick Access Bar		
Initiate calls	✓	✓
Initiate calls by means of an individually definable hotkey	✓	✓
Initiate a call by keystroke or keypad	✓	✓
Define Presence Status	✓	✓
Select primary phone	✓	✓
Activate call redirection	✓	✓
Access to the address book	✓	✓
Function keys (BLF)		
Display of telephony and chat status	✓	✓
Initiate calls by mouse click	✓	✓
Choose calls with a mouse click	✓	✓
Start chat with drag & drop or mouse click	✓	✓
Send file with drag & drop or mouse click	✓	✓
Send email with a mouse click	✓	✓
Initiate calls by drag & drop	✓	✓
Redirect calls via drag & drop or initiate a callback	---	✓
Configuration of the function keys	✓	✓
Lists		
Call lists	✓	✓
Fax lists	✓	✓
Voicemail and recordings	✓	✓
Call Manager		
Interactive display of all incoming and outgoing, as well as hold calls	✓	✓
Choose active voicemail recordings	---	✓
Direct redirection of incoming calls to subscribers/groups/etc.	---	✓
Consultation and transfer (redirection after consultation)	---	✓
Toggle by mouse click	---	✓
Initiate a spontaneous conference directly from the active call	---	✓
Access to the drop-down menu of BLFs during conversations	---	✓
Signaling of internal participant status when redirecting	---	✓
Recording of conversations	---	✓
Mute a conversation	---	✓
Doorline		
Webcam integration possible	✓	✓
Video image of the door camera at doorbell	✓	✓

Table 1 - Comparison between basic and premium version of the UCC client

3 Installation of the UCC client

This chapter describes how to install the UCC client. It is essential to observe the system requirements described above.

3.1 Download the installation file

The latest version of the UCC client is offered in the download area ([link to the download area](#)).

Note: As far as there are no particular reasons, it is recommended to always install the latest version of the UCC client from the [Download area](#).

3.2 Installation of the UCC client

By double-clicking on the downloaded installation file with the name “STARFACE_UCC_Client_for_Windows_vX.X.X.XX.exe” the installation process can be started.

Note: The installation file must not be placed in a file path containing a #.


The installation file contains the MSI packages for the 32- and 64-bit version of the UCC client, which automatically selects the correct 32-bit or 64-bit version of the UCC client during installation.

The first installation step determines which programs need to be installed.

This will detect and mark already installed programs. The selection checkbox is hidden for the already existing programs.

After the two programs Microsoft .NET Framework 4.5.1 and Ghostscript 9.15 (32bit / 64bit) have been installed, if necessary, the installation of the UCC Client for Windows can be started via the corresponding button.

In the custom setup that follows, you can choose which components of the UCC Client for Windows to install.

By clicking on  it is possible to select whether the corresponding component should be installed or not. The individual components for which the installation has been deactivated are marked with a red X.

Note: The “Unified Collaboration API” can only be installed if “Lync” or “Skype for Business” is not already installed (see also [5.14 - Integration in Microsoft Outlook](#)).

After the installation of the UCC Client and the selected components has been completed successfully, a corresponding success message is displayed.

3.3 Initial configuration of the UCC client

After the first start of the UCC client for Windows, the input mask for the login data is opened.

Previously, the system searches for existing telephone systems in the network and, if successful, enters the telephone system found in the **STARFACE Server** field. If several telephone systems are found, the correct telephone system can be selected via the drop-down menu.

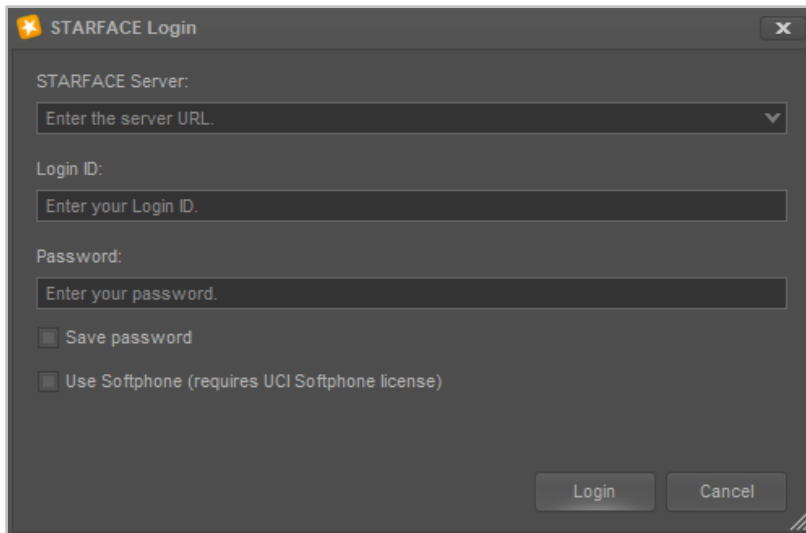


Figure 1 - First login in the UCC Client

Basically, the following input fields and options are available:

STARFACE Server: At this point, the IP address or host name of the telephone system must be entered.

Login ID: The login ID to be entered here corresponds to the login ID assigned to the telephone system when the user was created.

Password: The password to be entered here corresponds to the password assigned to the telephone system when the user was created.

Save password: This check box can be used to control whether the user's password is stored locally and does not have to be entered manually the next time the UCC client is started.

Note: It is recommended not to store the password locally on the hard disk, as this may pose a security risk.

Use Softphone: This checkbox determines whether the UCC Client for Windows should be used in the Basic or Premium version. And thus whether the softphone functionality is available or not.

4 Settings in the UCC client

This chapter describes the various configuration options within the UCC client.

After the successful login there is the possibility to make different settings for the UCC client under **Starface** and then under **Settings**.

Note: Please note the chapter regarding the use of the premium version of the UCC client for Windows [2.2 Licenses for the UCC client](#).

4.1 Basics

In this area you can edit the basic settings of the UCC client. The following tabs are available for this:

- [4.1.1 - Profile](#)
- [4.1.2 - Registration](#)
- [4.1.3 - Display](#)
- [4.1.4 - Hotkeys](#)

4.1.1 Profile

In this tab you can change all key data as well as the password of a user.

Note: The e-mail address and password cannot be changed if the authentication is done via an Active Directory.



The screenshot shows a dark-themed user profile settings window. At the top left is a yellow smiley face avatar icon. To its right are two input fields: 'First name:' containing 'David' and 'Last name:' containing 'Darson'. Below these is an 'E-mail:' field containing 'test@starface.de' with an 'Edit' button to its left. Further down are two empty input fields for 'New password:' and 'Confirm new password:'. At the bottom is a 'Language:' dropdown menu currently set to 'English'.

Abbildung 2 - Example of a profile

The language settings at this point refer only to the system's emails and announcements. The language settings for the entire UCC client are configured in the "Display" tab.

In addition, the avatar of the user can also be changed. This is used to display the BLF function keys and phones that support the feature "Picture-CLIP".

The selected image file for the avatar must not exceed the maximum size of 3 MB and must be in the format "jpg", "png" or "gif". The graphic is automatically scaled to the appropriate dimensions when uploading.

4.1.2 Registration

The following configuration options are available in this tab:

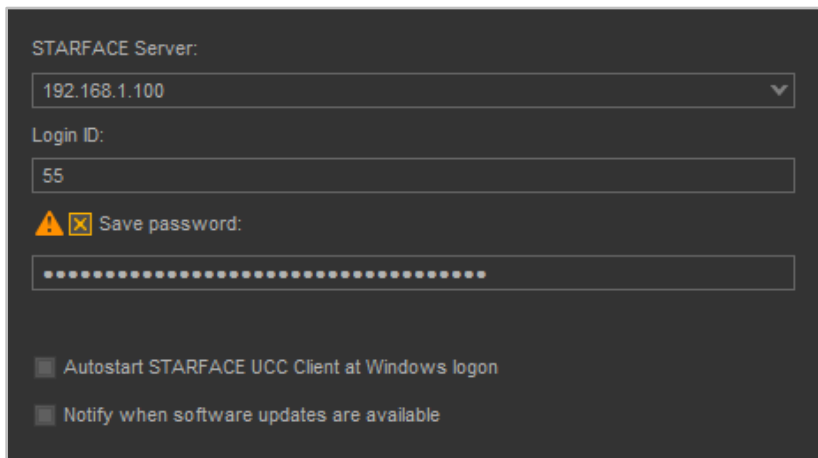


Figure 3 - Example for the tab "Registration"

STARFACE Server: At this point, the IP address or host name of the telephone system must be entered.

Login ID: The login ID to be entered here corresponds to the login ID assigned to the telephone system when the user was created.

Save password: This check box can be used to control whether the user's password is stored locally and does not have to be entered the next time the UCC client is started.

Note: It is recommended not to store the password locally on the hard disk, as this may pose a security risk.

Autostart STARFACE UCC Client at Windows logon: If this checkbox is activated, the UCC client starts automatically when the operating system is booted.

Notify when software updates are available: If this checkbox is activated, the UCC client checks after successful logon to the telephone system whether a more up-to-date version of the UCC client is available.

Note: The check of whether a more up-to-date version is available takes place only with the first successful registration of the day on the telephone system.

If an update is available, the UCC client offers the update for installation. If the new version is accepted, the update will be downloaded and installed from the STARFACE homepage (starface-cdn.de). The user does not need Windows administrator privileges for this installation. Optionally, the offered update can also be reset or permanently ignored.

Alternatively, the search for an update can also be triggered via the Help menu. In this case, ignored updates will be offered again.

4.1.3 Display

The following configuration options are available in this tab:

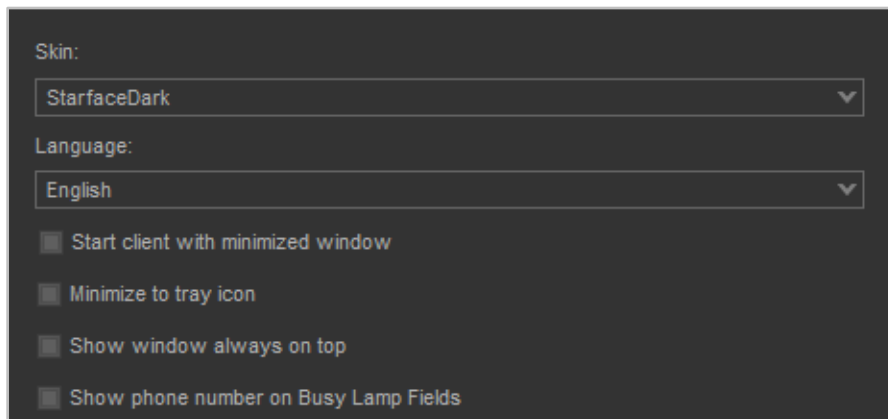


Figure 4 - Example for the tab "Display"

Skin: In this drop-down menu, the skin that is used for the entire UCC client can be selected. The selected skin affects the background colour of the different windows, the colour of the bars, and so on.

The functionality and arrangement of buttons, drop-down menus, etc. within the UCC client does not change.

Language: In this drop-down menu, the language of the UCC client can be set. The language selection applies to all buttons, drop-down menus, etc.

Start client with minimised window: If this checkbox is activated, the UCC Client will only be displayed as a small icon in the taskbar when starting Windows.

Minimise to tray icon: If this checkbox is activated, the UCC client is only displayed as a small taskbar icon when minimised.

Show window always on top: If this checkbox is activated, the main window of the UCC Client is always displayed as the topmost window.

Note: Also, for detached windows, this option can be activated individually. This requires a right-click in the respective title bar of the window.

Show phone number on Buys Lamp Fields: If this checkbox is activated, the telephone number of the respective destination is always displayed in the busy lamp fields.

4.1.4 Hotkeys

The following configuration options are available in this tab:

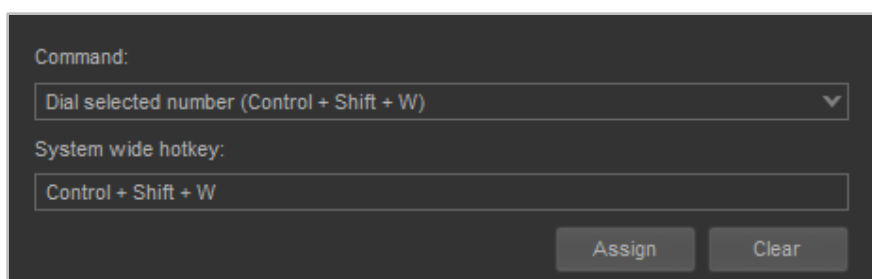


Figure 5 - Example for the tab "Hotkeys"

Keys and shortcuts can be defined for the following actions:

- Select marked phone number
- Dial the number from the clipboard
- Answer SoftPhone call
- End current call
- Browse contacts

To configure a keyboard shortcut, first select the desired action from the drop-down menu. In the input field "System wide hotkey" the desired key or key combination can then be entered by entering it on the keyboard.

Finally, the **Assign** button assigns the key or key combination to the selected action. The key or key combination stored for an action is shown in parentheses after the action.

Note: We recommend always combining the used key combination of at least 3 elements to avoid conflicts with other programs.

The **Clear** button removes the input currently stored in the input field, but does not delete the assignment of a key or key combination to an action.

4.2 Telephony

In this area, the settings concerning the telephony of the UCC client can be edited. The following tabs are available for this:

- [4.2.1 - Softphone](#)
- [4.2.2 - Audio](#)
- [4.2.3 - Ringing](#)
- [4.2.4 - Call Manager](#)
- [4.2.5 - Video](#)

4.2.1 Softphone

The following configuration options are available in this tab:

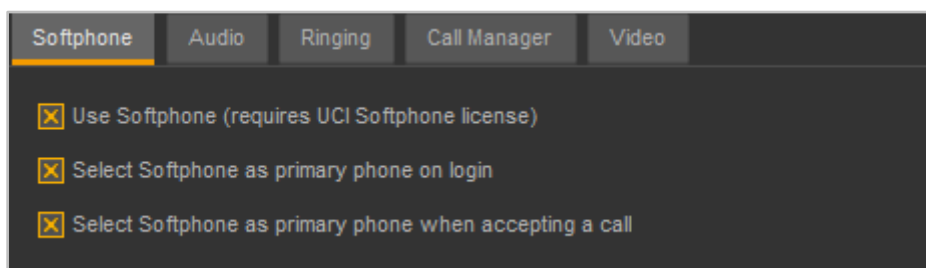


Figure 6- Example for the tab "Softphone"

Use Softphone: This checkbox determines whether the UCC Client for Windows should be used in the Basic or Premium version. And thus whether the softphone functionality is available or not. The UCC client automatically registers a new "Starface WinClient" type telephone on the telephone system.

Note: Please note the chapter regarding the use of the premium version of the UCC client “[2.2 - Licences for the UCC Client](#)”.

Select Softphone as primary phone on login: If this checkbox is activated, the softphone of the UCC Client will be set as the primary telephone in case of a successful registration on the telephone system.

Select Softphone as primary phone when accepting call: If this checkbox is activated, the caller receives the call via the premium version of the UCC client as the primary telephone of the user on the telephone system.

4.2.2 Audio

The following configuration options are available in this tab:

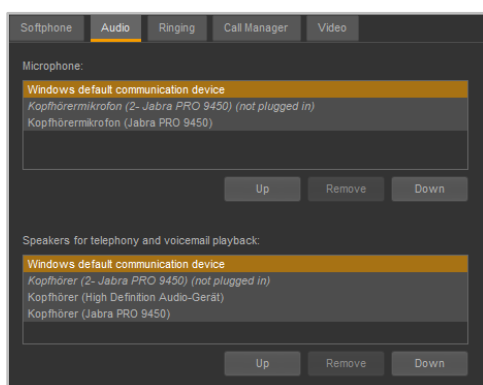


Figure 7 - Example for the tab “Audio”

The order of entries determines the order in which the devices (if available) are used. Devices that are not currently connected are shown in italics and are marked with “(not plugged in)”.

The individual entries are moved using the **Up** and **Down** buttons. The **Remove** button can be used to delete an entry for a better overview.

4.2.3 Ringing

The following configuration options are available in this tab:

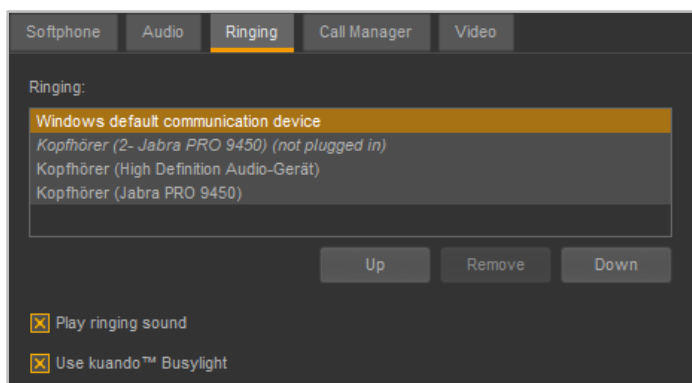


Figure 8 - Example for the tab “Ringing”

Under the heading **Ringing** the output devices for the ring signalling of the SoftPhone can be specified. The order of entries determines the order in which the devices (if available) are used.

Devices that are not currently connected are shown in italics and are marked with “not plugged in”.

The individual entries are moved using the **Up** and **Down** buttons. The **Remove** button can be used to delete an entry for a better overview.

Play ringing sound: If this checkbox is selected, the UCC client signals incoming calls with a ringing tone.

Use kuando Busylight: With this checkbox it can be selected whether the Busylight of the Company Kuando should be used or not.

Note: How to install the Busylight on the PC, please refer to the documentation supplied by the manufacturer.

4.2.4 Call Manager

The following configuration options are available in this tab:

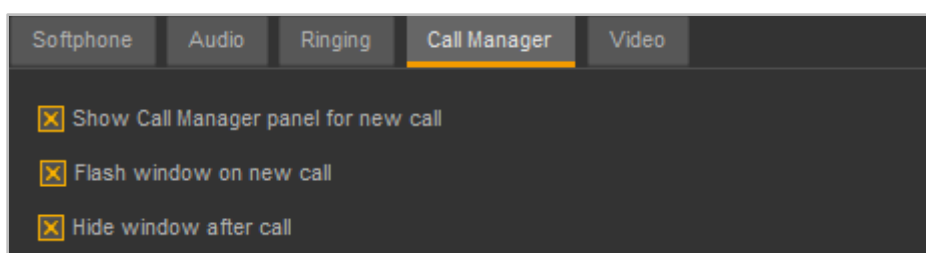


Figure 9 - Example for the tab "Call Manager"

The respective notification options can be activated or deactivated via the preceding checkbox.

Show Call Manager panel for new call: The Call Manager will open automatically with an incoming or outgoing call.

Flash window on new call: When there is a new incoming or outgoing call, the UCC client flashes in the taskbar.

Hide window after call: If this option is activated, the window of the UCC client will be minimised once the incoming or outgoing call has ended.

4.2.5 Video

The following configuration options are available in this tab:

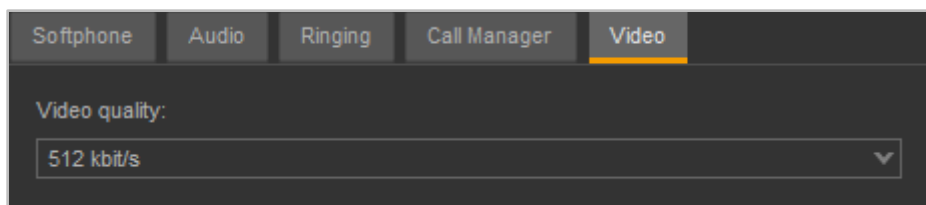


Figure 10 - Example for the tab "Video"

Video quality: In this drop-down menu, the configured data rate can be used to select the video quality for the video connection. The specified parameter is approximate and may vary slightly depending on the hardware you are using.

In general, the UCC client automatically determines the resolution used.

4.3 Chat & Status

In this area, the settings concerning the chat of the UCC client can be edited. The following tabs are available for this:

- [4.3.1 - Chat](#)
- [4.3.2 - Status](#)
- [4.3.3 - Chat Status Presets](#)

These configuration options can also be made if the respective user does not have the right to use the chat of the UCC client.

4.3.1 Chat

The following configuration options are available in this tab:

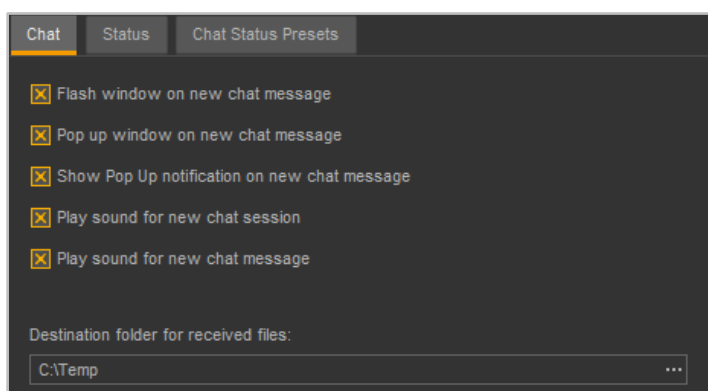


Figure 11 - Example of the tab "Chat"


Flash window on new chat message: If this checkbox is active, the UCC client in the taskbar flashes when there is an incoming new chat message.

Pop up window on new message: If this checkbox is active, the UCC client will automatically be brought to the foreground with a new incoming chat message.

Show Pop Up notification on new chat message: If this checkbox is active, a notification is displayed in the lower right corner of the screen when there is a new incoming chat message.

Play sound for new chat session: If this checkbox is active, a notification tone will be displayed when opening a new chat conversation.

Play sound for new chat message: If this checkbox is active, a notification message will be displayed when a new chat message is received.

Under the heading **Destination folder for received files:** selecting the  button, you can specify in which directory the files received via the UCC client are saved.

4.3.2 Status

The following configuration options are available in this tab:

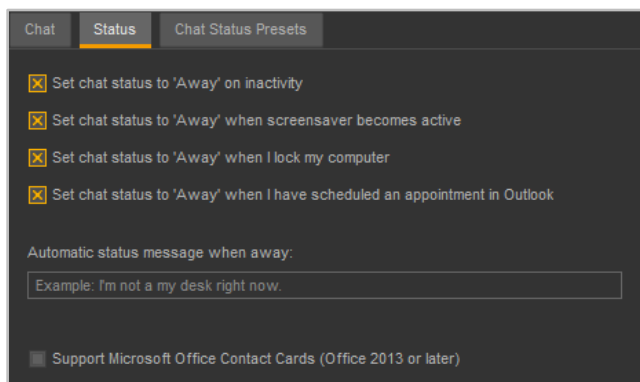


Figure 12 - Example of the tab "Status"

Set chat status to "Away" on inactivity: If this checkbox is active, the chat status will automatically be set to "Away" after 10 minutes. As soon as it comes to the next user interaction (e.g., moving mouse or keyboard input), the previous status is reset.

Set chat status to "Away" when screensaver becomes active: If this checkbox is activated, the chat status will be automatically changed to "Away" after activating the screen saver. After deactivating the screensaver, the previous chat status is reset.

Set chat status to "Away" when I lock my computer: If this checkbox is activated, the chat status will be automatically changed to "Away" after the computer has been locked. After unlocking the computer, the previous chat status is reset.

Set chat status to "Away" when I have scheduled an appointment in Outlook: If this checkbox is active, the chat status is automatically changed to "Away" if an appointment is entered in the Outlook calendar. After the end of the registered appointment, the chat status will be reset to "Available".

The statuses from Outlook are implemented as follows:

- Out of Office (violet) Absent
- Busy (blue) Absent
- Tentative (blue striped) Available
- Free (white) Available

If the user is active on the PC during a registered appointment, the status is not automatically changed to "Away".

Note: For this feature to work, Outlook must be started.

In the input field "**Automatic status message when away:**", an alternative status text to "Away" can be deposited, which is set by the options described above.

Support Microsoft Office Contact Cards: If this checkbox is selected, the integration of the user status in Outlook is activated (see also [5.14 Integration in Microsoft Outlook](#)).

4.3.3 Chat Status Presets

The following configuration options are available in this tab:

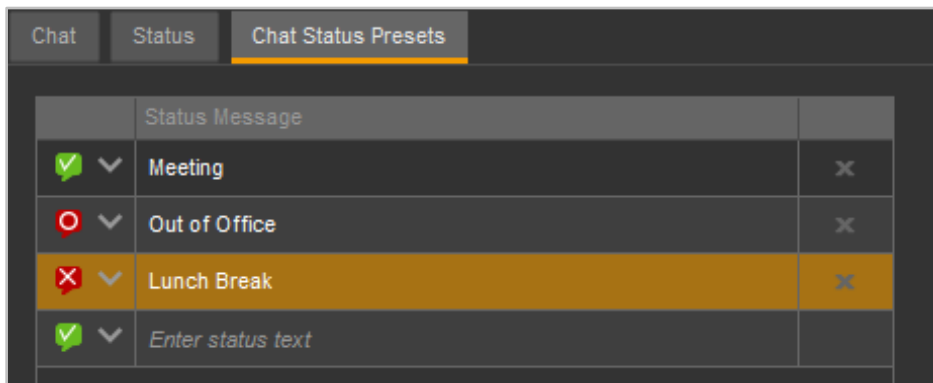


Figure 13 - Example of the tab "Chat Status Presets"

The default settings for various self-defined chat states can also be configured here. The description can be found under the point [5.2.1 mySelf Status](#).

4.4 Browser

In this tab URLs can be stored, which are opened under certain conditions.

4.4.1 Adding URL

If a URL is created here as a favorite, this URL configuration can be selected later than possible **Favorites** below the **View** button in the main window of the UCC Client.

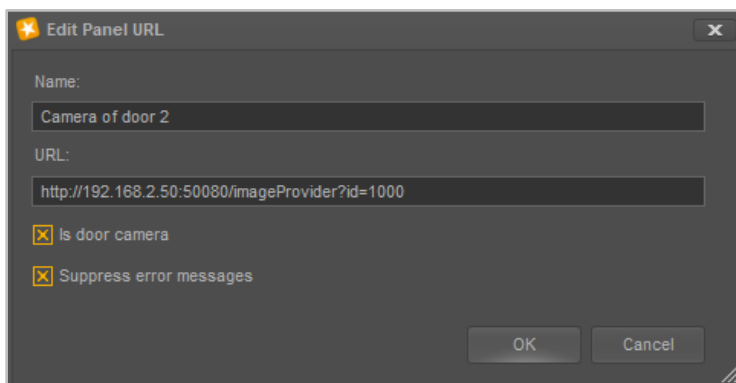


Figure 14 - Example of configuring a door camera URL

The name can be freely assigned and should be chosen as clearly and as appropriately as possible. The URL, e.g. the website or the door camera, must be completely specified and with the checkbox **Is door camera** the URL can be marked as a door camera.

Suppress error messages: If this option is active, error messages that occur during a URL call (for example, Java messages or certificate errors) are suppressed.

4.4.2 Editing Call Action URL

Under **Open URL on call** URLs can be stored, which should be opened automatically with a call.

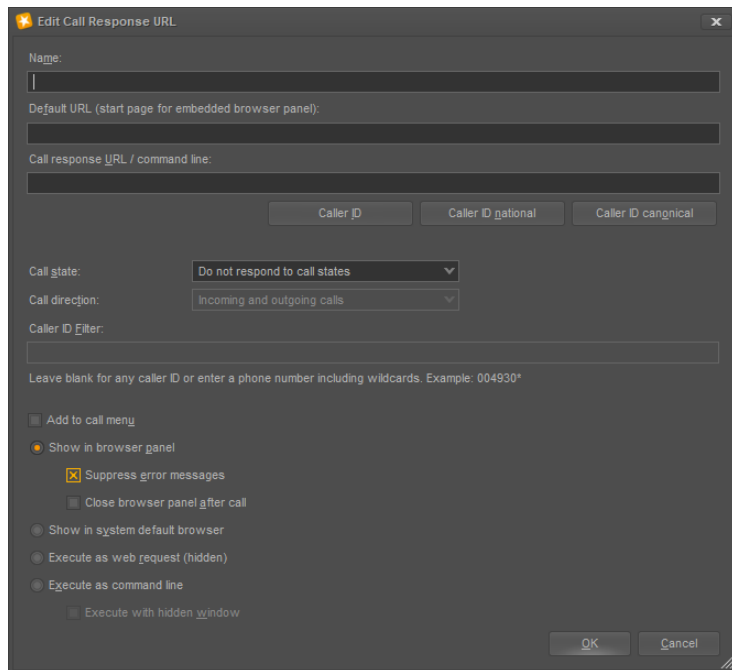


Figure 15 - Editing Call action URL

Name: The name of the configuration can be freely assigned and should be chosen as clearly and as appropriately as possible.

Default URL: The URL stored here is called up when the UCC client is started. This will create a window that will be used as a wildcard in the UCC client and will be replaced the first time you call the call action URL.

Call response URL: Here a URL can be deposited, which is called dynamically with the call number of the call partner (for example `http://www.klicktel.de/rueckwaertssuche/${callerid}`).

The call number of the call partner is a variable that can be passed on in the following formats:

- `$(callerid)` Number in international format without outside line (e.g. 0049721)
- `$(calleridNational)` Number in national format without outside line (e.g. 0721...)
- `$(calleridCanonical)` Number in canonical format (e.g. +49721...)

Note: The variable name buttons allow you to easily insert a variable without manually typing it.

Call state: This drop-down menu can be used to control which call state triggers the call action URL.

Call direction: Via this drop-down menu, in addition to the specification at **Call state**, it is possible to determine when the call to the call action URL is triggered.

Caller ID Filter: Here, phone numbers can be stored for which the call of the Call ActionURL is to be made.

It is not always necessary to give the complete phone number, but you can also work with so-called wildcards. The wildcard `*` stands for any number of digits and `?` for exactly one digit. Some application examples might look like this:

- 0049* All calls starting with 0049.
- *1075 All calls ending in 1075.
- 1510??? All calls starting with 1510 followed by 3 more digits

Note: If there is no filtering by phone number, this field can remain unfilled.

Add to call menu: If this option is active, the call of this configured call action URL can be triggered in the main window of the UCC client by right-clicking on a number (for example in the call lists). The call is then also available for incoming calls in the Call Manager under the item “Functions”.

Below are 4 choices available to call up the call action URL. Only one of the 4 options can be selected:

1. **Show in browser panel:** If this option is selected, the call action URL is called up in a browser window within the UCC client.

The two additional options can optionally be used to suppress possible error messages (checkbox **Suppress error messages** and it can be configured whether the opened browser window will be closed automatically after the end of the call or not (checkbox **Close browser panel after call**).

2. **Show in system default browser:** If this option is selected, the call up of the call action URL is made in the default browser of the system.
3. **Execute as web request (hidden):** If this option is selected, the call up of the call action URL is always invisible as a web request.
4. **Execute as command line:** If this option is selected, the call up of the call action URL is executed as command line. The checkbox **Execute with hidden window** can be used to configure that the process is not visible.

4.5 Expert mode

If this mode is activated, additional and even more detailed configuration options are available for the UCC client. It also displays the configuration options that have been described earlier in the frontend.

Note: Using expert mode is only recommended for experienced administrators.

These advanced configuration options are shown in tabular form and provide a direct view into the database of the UCC client.

5 Operation of the UCC client

This chapter describes various controls and functions of the UCC Client.

In addition to this manual, there are also various tutorial videos on how to operate the UCC client (see also [YouTube Channel of the company STARFACE](#)).

5.1 Windows in the UCC client

The main window of the UCC Client can be composed of a number of different windows. The individual windows can be freely designed in size and positioning and can also be used outside the main window of the UCC client.

A window can either be shown or hidden via the menu icons (see also “5.2.4 - Menu Icons”) or via the various selection points of the **View** button in the main window of the UCC Client.

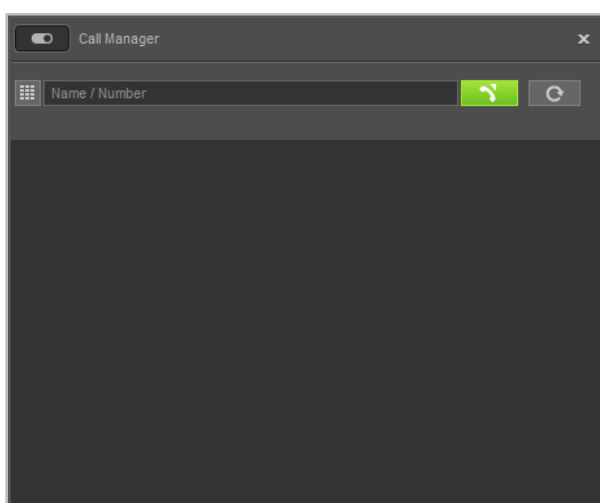


Figure 16 - Call Manager Window (example)

5.1.1 Special selections under “View”

There are 2 sub-items in the **View** button that do not represent their own window but have their own function:

- Favorites Own URL calls (see also “4.4.1 - add URL”)
- Reset Panels Predefined standard view of the UCC client

Note: The two predefined views arrange the called up windows in the main window of the UCC client and can not be customised.

5.1.2 Moving of windows

A window can always be moved via drag & drop. That is, it can be moved at any time by a left click on the title bar.

Simply right-clicking in the title bar of a window displays the following two options:

- Minimise The window is minimised to the taskbar
- Always on Top The window always appears in the foreground

5.1.3 Use windows outside the main window

It is possible to use the windows outside the main window of the UCC client. For this, the window must first be displayed as described above and can then be freely placed on the screen via drag & drop.

By clicking on the respective page margin, the height and width of the individual window can be adjusted.

5.1.4 Coupling the window

If a window is dragged and dropped to the margins of the main window in the UCC Client, a coupling selection appears and the window can be linked to a page margin.

It is also possible to drag a window directly into another window to create a single window with several tabs. This is done in the coupling selection via the central selection option

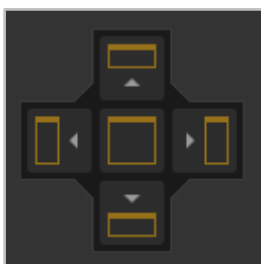


Figure 17- Coupling Selection

The various coupling points result in a variety of arrangement options and even in the coupled state, the size of the window can continue to change freely.

5.2 Quick Access Bar

The Quick Access Bar is the central component of the UCC Client and can be configured via Expert Mode (see also “[4.5 Expert Mode](#)”).

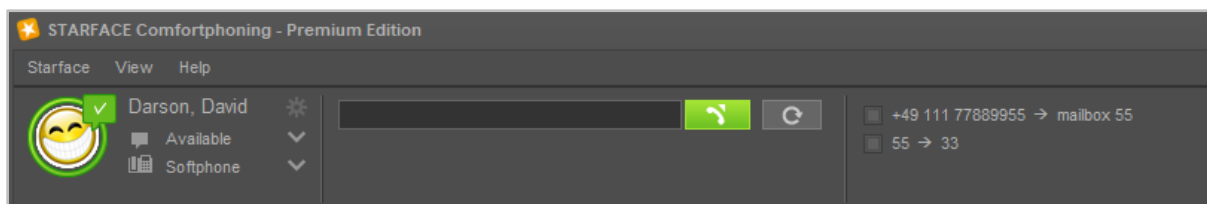


Figure 18 - Quick Access Bar (without Menu icons and STARFACE Logo)

The Quick Access Bar contains, from left to right, the following elements:

- mySelf Status
- Search field
- Redirections
- Menu icons
- STARFACE Logo

5.2.1 mySelf Status

This first element of Quick Access presents the current status of the logged-in user with various icons and coloured markers. This item is the only one in the Quick Access Bar that can not be hidden.

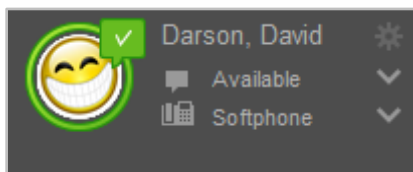


Figure 19 - Element „mySelf Status“

The coloured ring around the user's avatar indicates his/her current status. In this case, a distinction is made between the following statuses:

- Green User is available
- Yellow User is currently being called
- Red User is on the phone
- Blue Rework time in the iQueue
- Grey User not available

More information is displayed through the various small icons around the user's avatar:

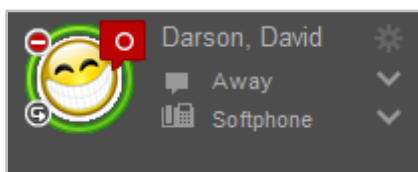


Figure 20 - Element “mySelf Status” with additional symbols

Symbol description	Explanation	Site
Red circle with white crossbeam	DND/Sleep feature enabled	Up / Left
White hook on a green background	Chat status “Available”	Top / Right
White circle on a red background	Chat status “Absent”	Top / Right
White X on a red background	Chat status “Do not disturb”	Top / Right
White turning symbol on black	an always-redirection is active	Bottom / Left

Table 2 - Description of the standard additional symbols

The following fields visible and configurable to the right of the avatar's image, from top to bottom, are:

In the first field, the name of the logged-in user is displayed and the gear icon to the right of it can be used to call up the settings (see also “[4.1 Basics](#)”).

In the second field, you can choose between different predefined chat statuses via the drop-down menu (see table above), but it is also possible to enter an individual chat status. The option **Configure Chat Status Presets...** can be used to create and manage your own chat status. You can also assign a symbol to each self-created status.

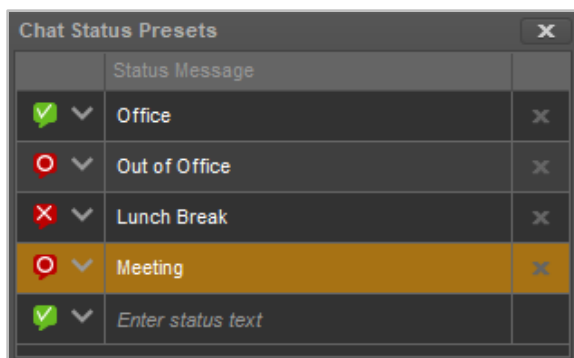


Figure 21 - Example of self-created chat states

It is also possible to right-click on the tray icon of the UCC client to change the current chat status or to open and configure chat status preferences.

In the last field, the drop-down menu allows you to change the primary phone for the user. This primary telephone sets up the user's outgoing calls.

5.2.2 Search field

The search box allows to search for and select other users and contacts by typing the name. The following entities are searched:

- Address books of the telephone system
- Users in the telephone system
- Users in the system network
- Contacts in Outlook

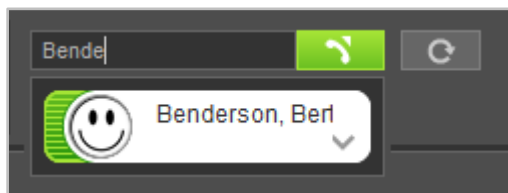




Figure 22 - Element "Search field" with example search

The context menu of the displayed search results can be operated either with the mouse or with the arrow keys of the keyboard (for example, arrow down and then arrow right).

Note: Min. 2 characters must be entered in the search field before the search starts.

An internal or external number can also be entered in this search field and an outgoing call can be started. The call can be triggered by pressing the Enter key or by clicking the  button.

Note: The entry of external numbers must be made with a leading 0 for the outside line, if this is configured on the telephone system.


The button  can be used to trigger a redial after an outgoing call. The listed numbers are saved locally and the display of the numbers is done exactly in the format as they were transferred from the UCC client to the telephone system.

5.2.3 Redirections

Within this element, the checkboxes can be used to activate and deactivate the always-redirections. The redirections themselves can be configured in the “Redirections” section (see also “[5.8 - Redirections](#)”).



Figure 23 - Element “Redirections” with an active redirection

Both, possible redirections for the individual telephone numbers of the user and for group telephone numbers are displayed. The icon  indicates the call number of a group.

Note: The option to enable or disable always-redirection for individual numbers and group numbers depends on the rights of the user on the telephone system.

5.2.4 Menu Icons

By clicking the respective menu icon, a window can be shown or hidden.

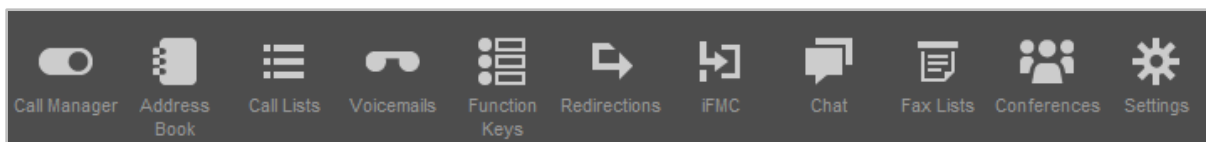


Figure 24 - Element „Menu Icons“

If a symbol is filled in orange, the corresponding window is displayed. The following menu items are available, from left to right:

- Call Manager [“5.3 - Call Manager”](#)
- Address book [“5.4 - Address Book”](#)
- Call lists [“5.5 - Call Lists”](#)
- Voicemail and recordings [“5.6 - Voicemails”](#)
- Keys [“5.7 - Function Keys”](#)
- Redirections [“5.8 Redirections”](#)
- iFMC [“5.9 - iFMC”](#)
- Chat [“5.10 - Chat”](#)
- Fax lists [“5.11 - Fax Lists”](#)
- Conferences [“5.12 – Conferences”](#)
- Settings [“4.1 - Settings”](#)

5.3 Call Manager

In the Call Manager are displayed the current calls of the user. Also, various actions can be controlled and triggered via the Call Manager.

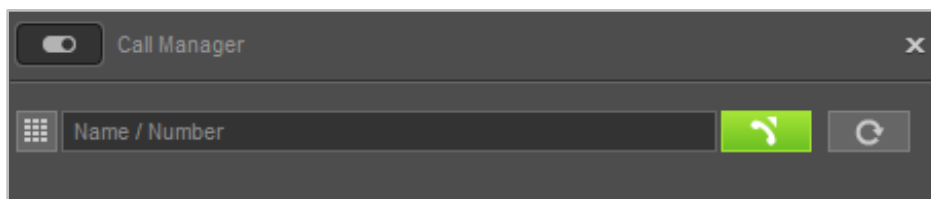


Figure 25 - Dial box in the Call Manager


Note: Please note the chapter regarding the functionality of the Call Manager in the UCC client “[2.2 - Licences for the UCC Client](#)”.

5.3.1 Dial box in Call Manager

Call options can be specified in different ways in the call manager's call box:

- Numeric entry via the keyboard
- Name of the user in the telephone system or system network
- Name of the call destination in the address books
- Name of the call destination in the Outlook contacts

The call can be triggered by pressing the Enter key or by clicking the  button.


The button  can be used to trigger a redial after an outgoing call. The listed numbers are saved locally and the display of the numbers is done exactly in the format as they were transferred from the UCC client to the telephone system.

5.3.2 General information in Call Manager

For an incoming or outgoing call, the following information is displayed in the Call Manager:

- Type of call (Incoming or Outgoing)
- Avatar image (only for internal calls)
- Name of the caller/called party (only with internal user or address book entries)
- Number of the caller/called party
- User calling or being called
- Duration of the conversation (from successful call setup)
- Orange padlock icon Indicates that the encryption is active

5.3.3 DTMF numerical keypad in Call Manager

The button  opens the DTMF keypad of the Call Manager. The inputs (for example for a conference PIN) can be made both via the keyboard and by clicking on the displayed number keys.

The input field displays the DTMF entries made since the opening of the DTMF numeric keypad. The DTMF keypad is closed when it loses focus or via the ESC key.

A DTMF string can also be pasted into the input field via Copy & Paste. The DTMF inputs are always sent to the active call. If there is no active call, the entries are forwarded to the call number input field of the Call Manager.

5.3.4 Buttons during an incoming call

This chapter describes the Call Manager buttons available for an incoming call that has not yet been accepted.

The call can be accepted in the Call Manager of the UCC Client via the green button.

The red button rejects the incoming call and ends it. If a busy-redirect is configured on the telephone system for the called number, this redirection will apply in such cases.

The  button mutes your own microphone when using a softphone.

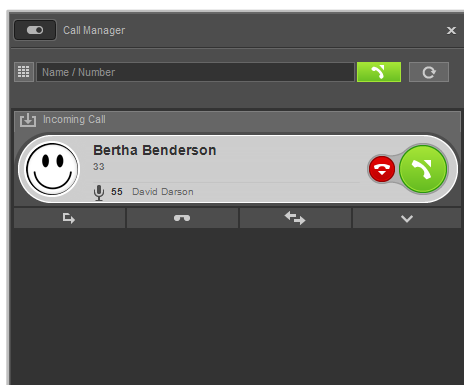


Figure 26 - Example of an unanswered incoming call in the Call Manager



Forward

With this button an incoming call can be forwarded directly to another phone number without being accepted.

The destination can either be an internal or external number or the destination can be selected from the BLFs. It is also possible to search in the BLFs, searching through all the BLFs available on the phone system and the integrated system, not just the BLFs created for the user.

It is also possible to drag the incoming call via drag & drop to a BLF key and forward it.



Voicemail

With this button an incoming call can be forwarded directly to a voice mailbox. The voice mailbox to which the call is to be forwarded can be selected from a drop-down menu.



Interaction

If the caller is a user on the same telephone system, the button allows him to send him a chat message. This button is only available if the logged in user also has the chat right on the telephone system.



Functions

This button can be used to call up the following functions:



With this function, new contacts can be entered in an address book on the telephone system.



With this function, an email can be generated, which contains all important key data of the call in the subject and in the mail text.



A separate function is displayed for each configured call action URL (see also “4.4 - Browser”).

5.3.5 Buttons during an outgoing call

This chapter describes the Call Manager buttons available for an outgoing call that has not yet been accepted.

The red button interrupts the outgoing call attempt.

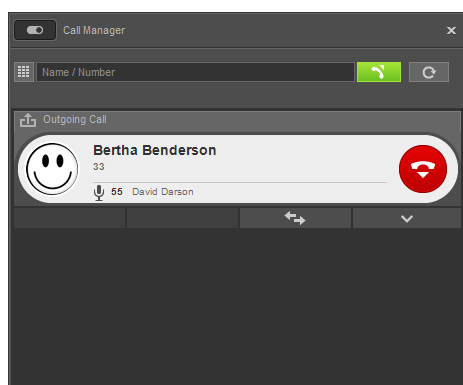


Figure 27 - Example of an unanswered outgoing call in the Call Manager



Interaction

If the call target is a user on the same telephone system, the button allows him to send him a chat message. This button is only available if the logged in user has the chat right on the telephone system.



Functions

This button can be used to call up the following functions:



With this function, new contacts can be entered in an address book on the telephone system.



With this function, an email can be generated, which contains all important key data of the call in the subject and in the mail text.



A separate function is displayed for each configured call action URL (see also “4.4 - Browser”).

5.3.6 Buttons during an active call

This chapter describes the Call Manager buttons available during an active call.

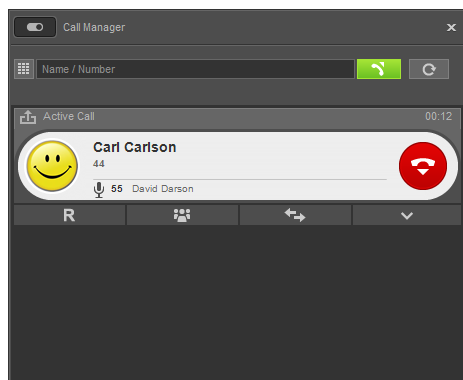



Figure 28 - Example of an answered call in the Call Manager

The red button ends the active call. The  button mutes your own microphone when using a softphone.

If no audio data is transmitted for 4 seconds during an active call, a corresponding message will be displayed. This quality control only affects active calls and does not apply to held calls.

5.3.6.1 Hold



If this button is selected, the call partner is held and at this moment hears no music on hold. Then there are 3 different options available:

Hold: The additional **Hold** button can be used to select the caller to be on hold and to hear music on hold.

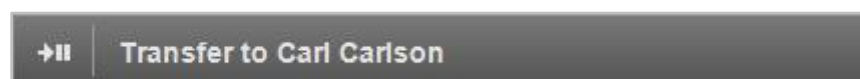
Via the green button in the Call Manager, the held call partner can again be taken out of the queue or the call can be ended via the red button.

Transfer with query: With this type of transfer, the original caller hears music on hold as long as the query, i.e. the conversation with another person persists or until the transfer is made to this person.

To initiate a query, a transfer destination must be selected. In this case, either an internal or external telephone number can be specified as the transfer destination, or the transfer destination can be selected from the BLFs. It is also possible to search in the BLFs, searching through all the BLFs available on the phone system and the integrated system.

If the query call is terminated without a transfer being carried out, the held call partner can be taken out of the queue via the green button.


If the transfer destination is to be connected to the held call partner, only the button:




to connect must be selected.

A transfer with consultation can also be triggered by dragging and dropping an active call in the call manager to the BLF of another user.

Blind Transfer: With this type of transfer, the original call partner is immediately forwarded to the transfer destination without a consultation call having been made beforehand. Only users on the same telephone system or in the system network can be selected as the transfer destination. With this type of transfer, external numbers can not be selected as the transfer destination.

To perform a blind transfer, the  button must be selected for the corresponding BLF of the target user. If the call is not accepted by the transfer destination within 30 seconds, the caller is automatically reconnected.

Note: If the transfer destination of a blind transfer has an always-redirection, e.g. on a voice mailbox, the call does not return after 30 seconds. The original caller is then immediately redirected to the configured voice mailbox.

It is also possible to trigger a blind transfer in which the active call in the call manager is dragged and dropped onto the button  of a BLF.

5.3.6.2 Conference



With this button a conference with several participants can be started spontaneously. If the **Start Conference** button is selected immediately, first only the two original call partners are in this conference.

By clicking on the **Conference** button, additional participants can be added afterwards. This is possible either by inserting the respective call numbers or via the, also searchable, BLFs.

When adding a new participant, note that the conference is kept short and a consultation call is set up for the new conference participant. In other words: The new participant is not immediately in the conference, but can first be consulted. Clicking the **Conference** button then adds the new participant to the existing conference.

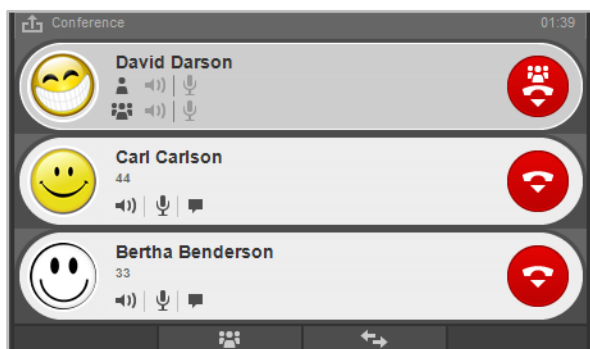





Figure 29 - Example of a conference with 3 participants (view of the moderator)




If there are one or more held calls, all held calls and the active call can be connected to a common conference. First, the **Conference** button is used and then the **Conference with Parked Calls** button.


The initiator of the conference also acts as a moderator and has the ability to use various functions via the following buttons:

-  Mute the speakers of the conference participant
-  Mute the microphone of the conference participant
-  Start chat (internal users only and with corresponding chat right)

By holding down the CTRL key, the moderator can give an individual conference participant the sole right to speak (activate the microphone), thereby muting the microphone for all other members of the conference.

A normal conference participant has the following buttons available:

-  Muting the own microphone
-  Starting chat (internal users only)
-  Request a right to speak from the moderator

Within an active conference, selecting  again will either allow to leave the conference or create a spontaneous chat room. The spontaneous chat room is only available to internal conference participants.

Within an active conference, selecting  opens a spontaneous chat room with all internal participants in the conference.

5.3.6.3 Interaction



This button can be used to control various interaction options with the connected caller.



These functions switch on a video connection for internal calls via the softphone of the UCC client. This is possible only with the use of the softphone.

By double clicking on the edge of the video, the video image can be detached from the Call Manager and moved as a separate window.



With this function the own screen can be released for the access by the interlocutor. The following control elements are available:



Hide sidebar



Select screen to be displayed



Select a camera for a video transmission



Remote control of the mouse through the enable or disable



End screen transfer

Certain shortcuts are executed locally and therefore can not be transferred (for example, Windows key and the Alt key).

Note: The function “screen sharing” works exclusively between two UCC clients.


If the caller is a user on the same telephone system, the button allows him to send him a chat message. This button is only available if the logged in user also has the chat right on the telephone system.

5.3.6.4 Functions



This button can be used to call up the following functions:



This function records the active call from this point in time. The caller hears an announcement and is informed about the started recording. In the Call Manager, the symbol  is displayed as long as the recording is active.

With the button **Stop Recording** the recording can be stopped and afterwards it is ready for listening in the window [“5.6 - Voicemails”](#).



This function makes it possible to ring the active call on all telephones of the user, so that it can be continued on another telephone.



With this function, new contacts can be entered in an address book on the telephone system.



With this function, an email can be generated, which contains all important key data of the call in the subject and in the mail text.



A separate function is displayed for each configured call action URL (see also [“4.4 - Browser”](#)).

5.4 Address Book

In this window, the contacts are displayed in the telephone book's address books. The following tabs are always available:

- All All contacts the user has access to
- All public All contacts the user has access to (without private contacts)
- User All users in the telephone system
- Private The private contacts of the user

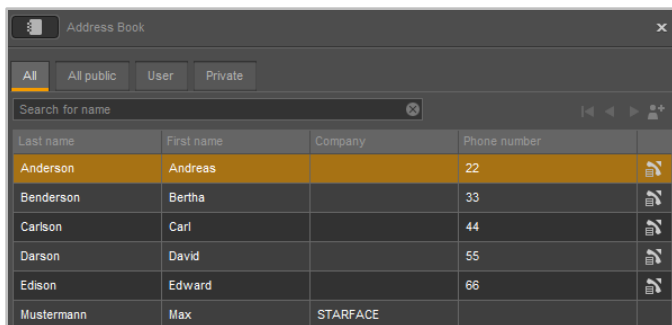





Figure 30 - Example of an address book view

Additionally existing address books on the telephone system are represented by a separate tab. The search box allows to search for and select users and contacts by typing the name.

Note: at least 2 characters must be entered in the search field before the search starts.

The following buttons serve the list view:



-  Jump to the first page
-  Scroll to the previous page
-  Scroll to the next page

-  Add new contact (see “5.4.3 - Add contact”)

By clicking on one of the following column headings, the corresponding address book is sorted according to the contents of this column:

- Last name
- First name
- Company

In the list view, a call can be triggered via the following two buttons:

-  Call on the only stored number of the contact
-  Call on the main number of the contact. But there are several numbers

If a contact is clicked with the right mouse button, the following selection points are available:

- Place Call Triggers a call to the main number of the contact
- Show Contact Shows the contact (see also “5.4.1 - Show Contact”)
- Remove Deletes the contact from the address book

Note: Regarding the use of the address book, please refer to point 13.4 in the STARFACE Administration Manual 6.

5.4.1 Show Contact

If a contact is displayed, the following tabs with information are always available:

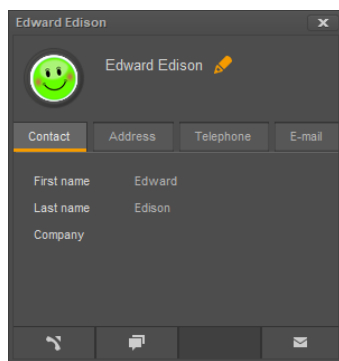






Figure 31 - Example of a user as a contact



- Contact
- Address
- Telephone
- Email

The following buttons can be used to trigger certain actions for a contact:

-  Triggers a call to the main number of the contact
-  Start chat (only internal users and with chat right)
-  Write an email to the contact (via standard email program)

5.4.2 Editing contact

The button  can be used to edit an existing contact and the following buttons are used to end the edit mode:

-  Close edit mode and save changes
-  Close edit mode and do not save changes

5.4.3 Add contact

When adding a new contact, the same tabs are available as when viewing or editing a contact. The drop-down menu below the memory button can be used to specify in which address book a contact is entered.

If a contact is generated from a call list entry, the telephone number is already filled in automatically.

Note: Each time a contact is added, a duplicate check is performed. If the phone number already exists in the contacts, a warning is issued.

5.5 Call Lists

In this window it is possible to display different call lists via different tabs. The following tabs are available:

- All Call list for all incoming and outgoing calls
- Incoming Call list for all incoming calls
- Outgoing Call list for all outgoing calls
- Missed Call list for all missed calls
- Answered Call list for all answered calls


Via the left drop-down menu, directly above the list view, the period of the lists to be displayed can be limited or extended. The following selections are available:

- Today
- Last 7 days
- Last 30 days
- Older entries

The right-hand drop-down menu offers the option of limiting the display to your own calls or the calls of specific groups.






Note: Only groups in which the respective user is a member can be selected here.


With the key combination “Ctrl” and “f” a search input field can be shown in this overview list. Entries in this search field perform a full-text search in the displayed overview list.

Via the button  you have the possibility in the different list views to directly trigger a call to the number. A double click on a call list entry also triggers a call.

5.5.1 Graphical labeling of call list entries

The various call list entries are indicated graphically as follows:

-  Successful outgoing call
-  Unsuccessful outgoing call
-  Accepted incoming call
-  Missed, rejected or redirected incoming call
-  Incoming call that has been redirected to a voice mailbox

Note: An incoming call that has been diverted to a voice mailbox can be directly listened to via the  symbol.

5.5.2 Context menu of call list entries

If a call list entry is right-clicked, the context menu opens and you can choose between the following options:

- Place Call Starts a call to the number
- Copy Phonenumber Copies the phone number to the clipboard
- Add Contact [See “5.4.3 - Add contact”](#)
- Send Call Memo as E-mail [See “5.3.6.4 - Send functions/email”](#)
- Remove Deletes the entry from the list
- Playback Voicemail Plays an existing voicemail
- Playback Voicemail with Phone Plays an existing voice mail on the phone
- Reload List Updates the call list

5.6 Voicemails

In this window it is possible to display different voicemails and recordings via different tabs. The following tabs are available:

- New All voicemails that have not been heard yet
- Private Folder to which voicemails can be moved manually
- Old All voicemails that have already been heard
- Recorded Calls All recorded calls


Via the left drop-down menu, directly above the list view, the period of the lists to be displayed can be limited or extended. The following selections are available:

- Today
- Last 7 days
- Last 30 days
- Older entries

The right-hand drop-down menu offers the option of limiting the display to your own voicemails or the voicemails of specific groups.




Note: Only groups in which the respective user is a member can be selected here.

With the key combination “Ctrl” and “f” a search input field can be shown in this overview list. Entries in this search field perform a full-text search in the displayed overview list.

Via the button  you have the possibility in the different list views to directly trigger a call to the number. A double click on a call list entry also triggers a call.

5.6.1 Listening to a Voicemail Message

The buttons at the bottom of the list view can be used to monitor the selected voicemail message or the recorded conversation. The control takes place via the following elements:

-  Playing the voicemail message or recording
-  Stopping the audio output
-  Restarting playback

The audio is output on the devices configured in the UCC client (see also “[4.2.3 - Ringing](#)”).

5.6.2 Context menu for voice mail entries

If an entry in the list of voicemails is right-clicked, the context menu opens and you can choose between the following options:

- Move to “Private” Moves the Voicemail to “Private”
- Move to “Old” Moves the Voicemail to “Old”
- Playback Voicemail Plays the Voicemail via speakers
- Playback Voicemail with Phone Plays the voice mail on the primary phone
- Place Call Starts a call to the caller number
- Send Call Memo as E-mail See “[5.3.6.4 - Send functions/email](#)”
- Remove Deletes the entry from the list

5.6.3 Context menu for recorded calls

If an entry in the list of recorded conversations is right-clicked, the context menu opens and you can choose between the following options:

- Playback Call Recording Plays the recorded conversation
- Send Call Memo as E-mail See “[5.3.6.4 - Send functions/email](#)”
- Remove Deletes the entry from the list

5.7 Function Keys

Within this window, the user's function keys are displayed. Gaps in the sequence of function keys are not displayed, but hidden.

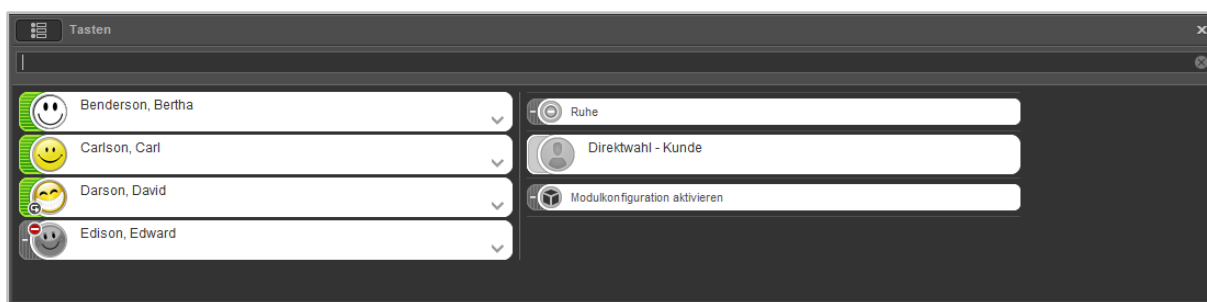


Figure 32 - View with different function keys

The search bar in this window allows you to search specifically for busy lamp fields. All busy lamp fields existing on the telephone system and in the system network are searched. This way, busy lamp fields that are not configured for the logged in user can also be accessed.

Searches in this search bar will not search any address books or Outlook contacts, unlike the general search bar.

Note: The search currently only applies to function keys of type “Busy Lamp Field” and not to other function key types.

5.7.1 Add function key

With the menu item "Add function key", the already created function keys are displayed for the user. New function keys can also be added, edited or deleted.

The various function keys provide easy and fast access to frequently used standard functions and actions. For example:

- Calling predefined telephone numbers (internal or external)
- Call transfer (call grabbing)
- Switching call redirect on and off
- Logging into and out of a group
- Initiating automatic callback
- Parking calls
- Activating and deactivating ringer cutoff function / DND

Many of the features represented by function keys can not only be used in the UCC client, but can also be used on the function keys of a telephone.

However, the configuration and use of the function keys in the UCC Client is independent of the optional telephone model of the user.

The transfer of the key assignment to the telephone can optionally be carried out when saving or accepting the configuration and must be selected via checkbox. Whether a use of the function keys on the phone is possible, however, depends on the telephone model.

You can either add a key type from the selection list on the right-hand side via drag and drop or by using the „Add key“ button in the lower-left window.

Note: Some types of function key are only available when certain prerequisites are met. So, for example, the “Group Log On / Off” key type is only available if the user is also a member of a group.

To adapt an existing function key, the following button must be selected.



5.7.2 Move and remove function keys


A function key can be selected via mouse click and is outlined in orange. One or more function keys can also be selected by a mouse-click while holding down the Ctrl key. In addition, several function keys can be marked by dragging the mouse over the area of the function keys while holding down the left mouse button.

The highlighted function keys can now be moved and arranged via drag & drop.

Individual function keys can be deleted via the X button. In order to remove several selected function keys, the option „Delete selected function keys“ must be selected by a right-click. It is also possible to delete the selected function keys via the Delete key.

5.7.3 Busy Lamp Field

In the busy lamp fields, a coloured marking indicates the phone status of the user. Likewise, small symbols display e.g. an active always-redirection or a DND status (see also “[5.2.1 - mySelf Status](#)”).

Clicking on a busy lamp field with the right mouse button or selecting the  button opens the context menu for the respective target user.

The following selective options are available in this context menu:

Place Call: This option can be used to initiate a call to the internal number of the respective target user. If several telephones and/or softphones are available, it is also possible to select which telephone/softphone is used for establishing the connection.

Grab Call: This option is only available if the target user is currently being called and has not yet accepted the incoming call.

Send email: Here the e-mail address which is stored for the target user in the telephone system can be selected, and thereby it opens the local mail program (for example Microsoft Outlook).

Send file: This option allows a file to be selected and to be sent to the target user. The target user must first acknowledge receipt and the file will be saved in the default directory configured by the recipient (see also “[4.3.1 - Chat](#)”).

It is also possible to insert files from the cache with the key combination CTRL + V into a chat and send them directly to the other user.

Start Chat: This option starts a chat with the target user. This button is only available if the logged in user also has the chat right.

Chat History: This option opens the history of the chat with the respective user or respective group. This button is only available if the logged in user also has the chat right.

5.7.4 Speed Dial

This type of function key is used for assignment with call numbers outside of the telephone system. This also allows control codes to be transmitted to the provider to use service features off the provider.

This type of function key does not have a status indicator and is also available in the Call Manager.

Note: A potentially existing prefix for the line does not have to be entered.

5.7.5 Redirection (Single)

With this function key, Always redirections which have already been set up for individual call numbers can be switched on and off. If the corresponding rights are set for the user, Always redirections for group call numbers can also be controlled using this key type.

Note: Only the Always redirections can be controlled with this option.

The function key's signaling behaves as follows:

Signaling	Description	Action when Key is Pressed
Off	Redirections inactive	Switch on redirections
On	Redirections active	Switch off redirections

Table 3 – The function key's signaling behavior

5.7.6 Redirection (All)

If this function key is configured, it is possible to select between the 3 following types of redirection:

- Always
- Busy
- Timeout

With this function key, all the redirections of a specific redirection type which are set up are activated or deactivated. Activation or deactivation applies to all call numbers assigned to the user, with the exception of group call numbers.

The function key's signaling behaves as follows:

Signaling	Description	Action when Key is Pressed
Off	Redirections inactive	Switch on redirections
On	Redirections active	Switch off redirections

Table 4 – The function key's signaling behavior

5.7.7 Group Log On / Off

With this function key, the user can log into or log out of in one or more groups. The function is only available for groups which the user is also a member of.

Signaling	Description	Action when Key is Pressed
Off / green	Not logged in	Logging into the group
On / red	Logged in	Logging out of the group

Table 5 – The function key's signaling behavior

Note: It is advisable not to assign more than 5 groups in parallel to a function key of this type.

5.7.8 DND

With this function key, the DND function is activated on telephone system so that all the incoming calls are rejected for the user.

If a timeout redirection is set up for the called number, then in this case it takes effect immediately and not after the configured time has elapsed.

This type of function key can only be assigned to a function key once. The corresponding possible selection is therefore inactive or grayed-out in the list of function key types following creation of the first key.

Signaling	Description	Action when Key is Pressed
Off	DND function inactive	DND function is activated
On	DND function is active	DND function is deactivated

Table 6 – The function key's signaling behavior

5.7.9 Call Completion on Busy

With this function key, the telephone system automatic callback function can be triggered. The function key flashes when the destination call number of an internal and external call is busy. The user can now activate the automatic callback function. This option is also still exists up to 30 seconds after the attempted call has already ended.

The telephone system will now attempt to reach the destination call number 5x every 10 seconds in a first step. If these first 5 attempts are unsuccessful because the destination number is still busy, for example, the attempt repeat interval is increased to 20 seconds and continues to run for 60 minutes. Once these 60 minutes have elapsed, the automatic callback function deactivates automatically.

This type of function key can only be assigned to a function key once per user. The corresponding possible selection is therefore inactive or grayed-out in the list of function key types following creation of the first key.

Signaling	Description	Action when Key is Pressed
Off	"Call Completion on Busy" inactive	No action
Flashing	"Call Completion on Busy" possible	"Callback When Busy" is activated
On	"Call Completion on Busy" active	"Callback When Busy" is deactivated

Table 7 – The function key's signaling behavior

5.7.10 Park & Orbit

With this function key, calls to predefined waiting places can be postponed. The telephone system provides 100 waiting places (00 to 99) on which only one call can be parked. A dedicated function key must be created for each of the waiting places.

Unlike normal call holding, here other users also have access to the waiting places and can independently take over the calls parked there. But to do this, the users must have function keys with the corresponding waiting place numbers.

Signaling	Description	Action when Key is Pressed
Off	Waiting place is free	Call is parked
Flashing	Caller waiting in orbit	Call is answered

Table 8 – The function key's signaling behavior

Note: Using the function keys in the UCC client, only parked calls can be fetched from orbit. Parking active calls is only possible directly on the phone.

5.7.11 Display Number

With this function key, the user can configure which call number is displayed to the call destination. It is also possible to suppress the call number.

Signaling	Description	Action when Key is Pressed
Off	Call number is not displayed	Stored call number is set
On	Call number is signaled	The call number is suppressed

Table 9 – The function key's signaling behavior

5.7.12 Activate Modules

With this function key, existing module configurations can be activated or deactivated.

Signaling	Description	Action when Key is Pressed
Off	Module inactive	Activate module configuration
On	Module active	Deactivate module configuration

Table 10 – The function key's signaling behavior

Note: This type of function key is only available if the user has the corresponding rights.

5.7.13 Phonemenu: Addressbook

With this function key, access to the telephone system address books can be set up.

Note: This function key can only be used on telephones and is not available on the STARFACE web interface and in the STARFACE UCC client.

With the initial **View** drop-down menu, it can be selected whether access to the address book is to take place as read-only (Contact List) or as a search (Contact Search).

Note: The search is carried out as a full-text search. So, that way, not only are all the address book entries starting with "fo" shown during a search for "fo", but rather all data records containing the search parameter "fo" are shown too.

In the second **Directory** drop-down menu, it is configured which of the telephone system address books are listed or searched.

5.7.14 Phonemenu: Call Lists

With this function key, access to the respective user's different call lists can be set up. At present, there are only the user's 3 call list listed below to choose from.

Note: This function key can only be used on telephones and is not available on the STARFACE web interface and in the STARFACE UCC client.

5.7.15 DTMF

With this function key, individual DTMF tones or even a sequence of DTMF tones which are supposed to indicate in an active call, for example, can be configured. The most common area of application is opening of a door lock by a defined sequence of DTMF tones.

Note: This function key can only be used on telephones and is not available on the STARFACE web interface and in the STARFACE UCC client.

5.7.16 Phone-Specific URL

With this function key, the call to a freely configurable URL can be displayed via http. So, for example, a Raspberry Pi can be addressed, which in turn triggers another action during a URL call.

Which protocol can be used for the reply depends on the respective phone type. In the following overview, the telephone manufacturer is mentioned first of all, followed by the protocol:

- Aastra XML
- Alcatel HTML/XHTML
- Gigaset XML
- Snom HTML/XHTML
- Tiptel HTML/XHTML
- Yealink HTML/XHTML

Note: We recommend that only experienced administrators use this type of function key while additionally observing the manufacturer's documentation.

5.7.16 Empty Key

This function key is used for visual structuring purposes and can be used to display headings for the department or separators, for example.

5.8 Redirections

In this window, redirect rules can be configured for the own numbers. There are 3 different types of redirection:

- **Always:** The redirecting takes effect immediately and the incoming call is forwarded directly to the configured destination.
- **Busy:** If the called number is busy, the incoming call is immediately forwarded to the redirecting destination.
- **Timeout:** If the incoming call is not accepted within the configured time period, it will be forwarded to the redirecting destination. This redirecting also applies in the case of unavailability of the user.

To activate a redirecting for a particular number, the checkbox on the far left must be selected. The destination of a redirection can be any internal or external number.

You can also search for a name in the “Target Number” field and select the redirecting destination from the results. The internal users on the telephone system as well as the address books are searched for the entered name.

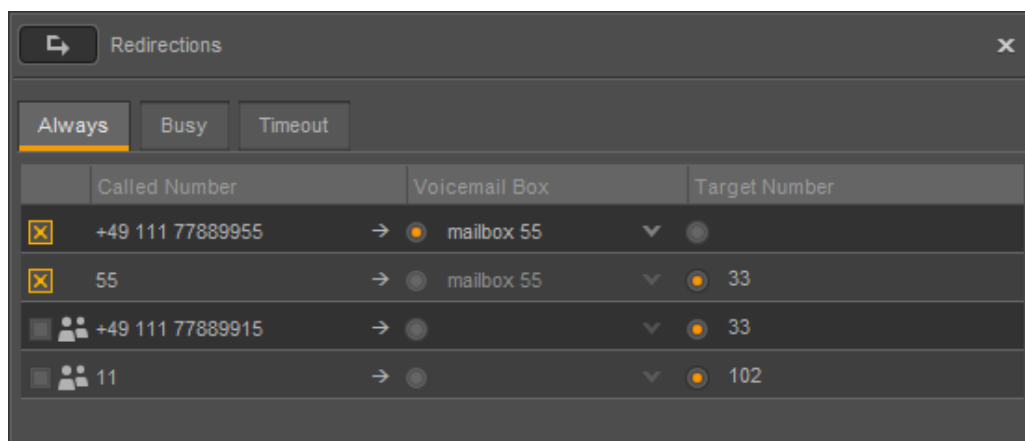



Figure 33 - Example for set redirections

Note: If there is a digit on the telephone system for outside line (for example, 0), this number need not be entered when redirecting to an external telephone number.

The icon  indicates the call number of a group. Such group redirecting can only be seen and set up by members of the respective group with the appropriate rights.

It is also possible to select a voice mailbox from the drop-down menu as the redirecting destination. It should be noted that phone numbers can only be forwarded to voice mailboxes to which the user also has access.

Exempted from this are group voice mailboxes, which can only be selected as the destination when redirecting a group number.

5.9 iFMC

An iFMC configuration allows an incoming call to ring in parallel on an end device that is not directly connected to the telephone system (e.g., a smartphone).

It is possible to create multiple iFMC configurations and use them simultaneously. It is also possible to create several iFMC configurations and to activate or deactivate them via the checkbox of the same name.

The **Add iFMC Device** button can be used to add an iFMC configuration.

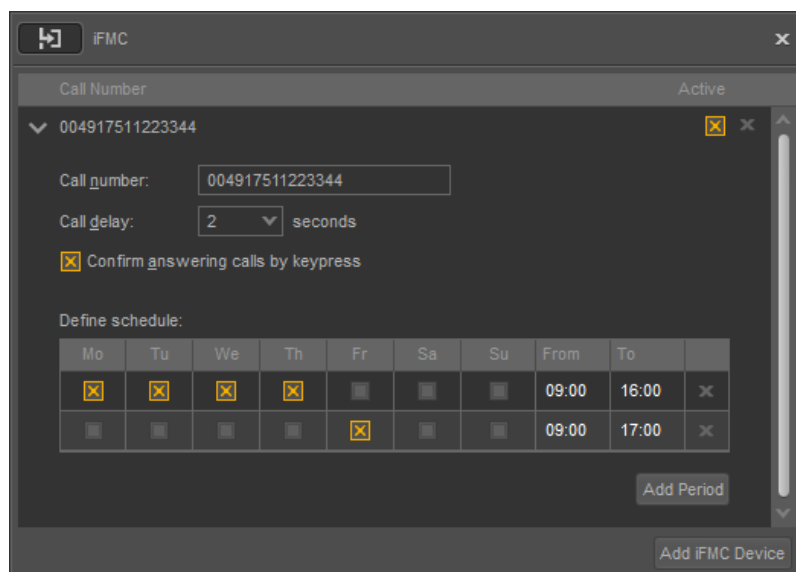


Figure 34 - Example of an iFMC configuration

In the input field **Call number** the phone number, which should be called in parallel, must be entered. It is always in fully qualified format with country code to specify.

Note: A possible public access does not have to be registered.

Call delay: With the indication in this drop-down menu, it is possible to incorporate a deliberate time delay, which provides a time frame, e.g. to accept an incoming call first over the telephone connected to the telephone system.

The selected call delay does not work if no telephones connected to the telephone system are assigned to the user. In this case, the iFMC number is called immediately.

If two iFMC numbers are entered, the ratio (e.g., 10 seconds difference) between the two call delays remains. The first iFMC number is called immediately and the second number after 10 seconds.

Confirm answering calls by keypress: If this checkbox is active, with incoming calls to the iFMC terminal a voice message is initially played, whereupon the actual call can be accepted by pressing a number.

It is possible to create freely configurable schedules when the iFMC configuration is to be used. Under the heading **Define schedule**, a new period can be added via the **Add Period** button.

The schedules are based on days of the week and freely selectable periods and can be set up in any desired complexity.

5.10 Chat

This window displays the chat of the UCC client. Different conversation partners and active chat rooms are shown with different tabs, which can be changed by a mouse click. The currently selected tab is marked by an orange marking.

This function is only available if the logged in user also has the chat right on the telephone system. It is also possible to send a chat message to a user who is not logged in. The chat message is delivered as soon as the respective user is logged on to the UCC client the next time.

Within the chat the BLF of the other party is displayed and this BLF offers all possibilities of a normal BLF.

Note: The BLF of the respective user is automatically displayed, regardless of whether the BLF was previously set up on the web interface of the telephone system for the user or not.

The content of individual chat messages or all chat messages can be copied via the context menu. The context menu is called up using the right mouse button.

It is also possible to insert files from the cache with the key combination CTRL + V into a chat and send it directly to the other party without using the function "Send file".

When a chat is re-opened with a user, the chat messages of the last two days with chat traffic are loaded and displayed. So by scrolling up, the previous chat messages can be seen. This functionality is only available if the chat history is enabled for the user.

All received and sent chat messages are checked by the UCC client for possible internal and external numbers. If an internal or external number is detected, it will be marked with an orange telephone receiver symbol. In order to establish a call to the corresponding telephone number, this symbol must be clicked once with the left mouse button.

5.10.1 Static chat rooms

The **View** button is used to display the static chat rooms available on the telephone system.

A static chat room can be joined via the **Add** button. Once you have joined a static chat room, the last chat messages sent in the chat room are displayed. The display of recent messages in a static chat room is independent of the user's chat history settings.

Note: There is no access restriction for a static chat room. Each user is authorised to enter any static chat room.

To create a new static chat room, the desired name and a description must be entered.

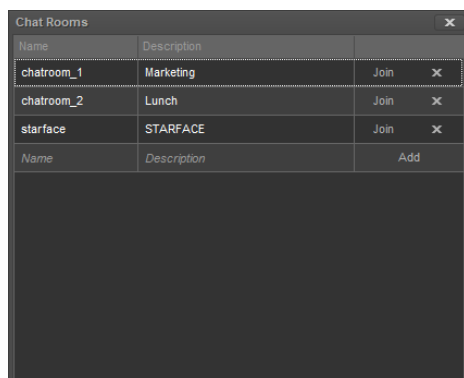


Figure 35 - Overview of static chat rooms from the perspective of an administrator

Selecting the **Join** button creates the new static chat room. In order to be able to create a new static chat room, administrator rights on the telephone system are mandatory.

Alternatively, an administrator can also define a group on the telephone system as a chat group and thus create a static chat room (see also [Configuring Group on the Telephone System](#)).

5.10.2 Chat history

In the chat history all sent and received chat messages of the logged in user can be seen. Whether or not a chat history is saved can be configured in expert mode.

The chat history itself is stored locally in the path:

C:\Users\<<Benutzer>\AppData\Roaming\STARFACE GmbH\UccClient\ChatHistory\

Parallel to this, chat history is also kept on the telephone system and downloaded when logging in to another UCC client installation.

Note: The chat history on the telephone system only covers the last 90 days, while the local chat history is kept indefinitely.

There are several combinable filter options available in the upper third of the mask.

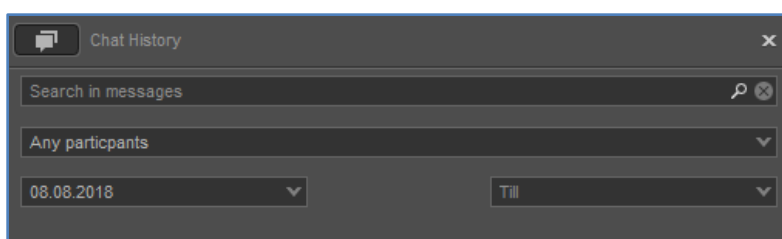


Figure 36 - Filter options of the chat history

A search term can be entered in the upper input field. It should be noted that a full-text search is always carried out. The drop-down menu below can be used to restrict the view or search to a specific participant.

The last filter option is a date filter that restricts the display or search to a from-to period. The default value for the from date always corresponds to the current date in the previous month.

Note: Only time periods or individual days can be selected for the date filter. Unrelated individual days cannot be selected.

The middle third of the chat history mask displays the users and chat rooms for whom a chat history is available. This display is daily based, so that for each user/chat room and a date each one entry is visible.

Date	Participants
07.09.2018	Bertha Benderson
07.09.2018	Carl Carlson

Figure 37 - Sample view for the selectable users

The currently selected entry is identified by an orange frame.

The bottom third of the chat history mask displays the actual messages that have been exchanged. The most recent chat history message is always displayed at the bottom.

The content of individual chat messages or all chat messages can be copied via the context menu. The context menu is called up using the right mouse button.

5.10.3 Emojis in chat

The following table lists the emojis that are created in the chat by entering their respective strings:

String	Emoji
:;-)	
:;)	
:)	
:;-)	
:)	
:;-)	
:-P	
:-p	
:P	
:p	
:-D	
:-d	
:D	
:d	
:>	
:>	
::(
:-(
:;-(
:;(
:;-(
:-(
:O	
:o	
:O	
:o	
:.@	
:@	
:\$	
:\$	
:	
:	
:-S	
:S	
:-s	
:s	
B-)	
B)	
(H)	
(h)	
:-#	
:#	
:-/	
:/	
:.*	
.*	
<3	
</3	

Table 11 - Overview of emojis

5.11 Fax Lists

In this window it is possible to display different fax lists via different tabs. The following call lists tabs are available:

- New All incoming faxes that have not been read yet
- Private Folder to which faxes can be moved manually
- Old All faxes that have already been read
- Outgoing All sent faxes
- Fax Queue All faxes waiting to be sent

Via the left drop-down menu, directly above the list view, the period of the lists to be displayed can be limited or extended. The following selections are available:

- Today
- Last 7 days
- Last 30 days
- Older entries

The right-hand drop-down menu offers the option of restricting the display to ones own calls or the calls of certain groups.

Note: Only groups in which the respective user is a member can be selected here.

With the key combination “Ctrl” and “f” a search input field can be shown in this overview list. Entries in this search field perform a full-text search in the displayed overview list.

5.11.1 Send faxes via fax printer

In order to be able to send faxes via the UCC client, the STARFACE fax must be installed (see also [“3.2 - Installing the UCC Client”](#)).

After installation, when the printer is selected in open programs (for example, Word), an entry named “STARFACE Fax” will be available. If this entry is selected, a prompting for inserting the fax number opens in the UCC client.

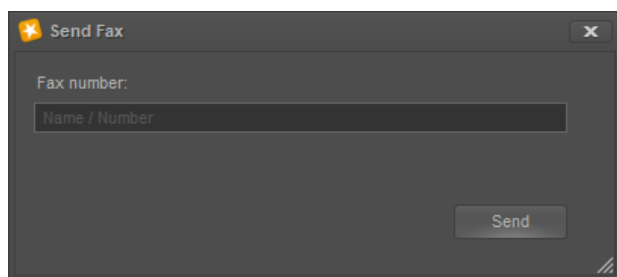


Figure 38 - Input window for the fax number

It is also possible to send PDF files via the Windows Context Menu by fax, without having to open the respective PDF file for it. Several PDF files can be marked and sent to the same destination number.

The outgoing faxes are sent successively and not parallel to each other. The list of faxes that are still to be sent, is located in the fax lists in the tab “Fax Lists”.

Note: Fax sending via the Windows context menu currently only works with PDF files. All other file types must be opened beforehand and faxed out of the program itself.

As an alternative to directly entering a fax number, you can also search for a name. The following address books are searched:

- Outlook Contacts
- Outlook address books
- Entries from the STARFACE address book

When displaying the search results, only contacts that have a registered fax number are considered. If a contact has several fax numbers, the desired number can be selected via the drop-down box.

Further information concerning the name to be signalled, the fax number, etc. can be found in the STARFACE Administration Manual ([Download area of the manuals](#)).

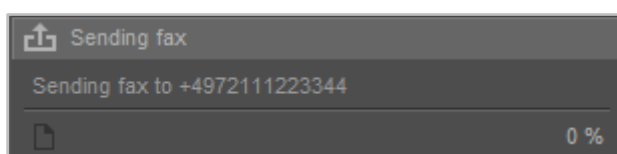




Figure 39 - Active fax process in Call Manager

If the fax transmission is cancelled or not possible, for example because the destination number is busy, a notification is displayed and you have the option of restarting the fax transmission or aborting the entire process.

It is also possible to create a serial fax via command line call and a CSV file (see also "[6.4 - Fax transmission via command line call](#)").

5.11.2 Graphical labelling of fax list entries

The various fax list entries are indicated graphically as follows:

-  Successful incoming or outgoing fax
-  Error sending or receiving a fax

5.11.3 Context menu of fax list entries

If a fax list entry is right-clicked, the context menu opens and you can choose between the following options:

- | | |
|----------------------------|--------------------------------------------------------|
| • Move to "Private" | Moves the fax to "Private" |
| • Move to "Old" | Moves the fax to "Old" |
| • Show Fax | Fax will be opened |
| • Copy Phonenummer | Copies the phone number to the clipboard |
| • Send Call Memo as E-mail | See " 5.3.6.4 - Send functions/email " |
| • Remove | Deletes the fax from the list |
| • Reload List | Updates the fax list |

5.12 Conferences

In this section, moderated conferences can be configured and started. These conferences can be held once or at regular intervals and have a fixed number of participants.

In addition, existing conferences can be adapted, e.g. by inviting additional participants.

The operation of a scheduled conference in Call Manager does not differ from the operation of a spontaneous conference.

5.12.1 Schedule a new conference

Via the **+** button a new conference can be planned. First, a clear name for the conference should be given. Then the date and time can be configured via the various drop-down boxes.

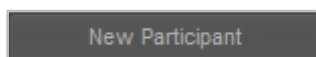
The **Occurency** drop-down menu controls how often the scheduled conference should take place. The following options are available:

- Once
- Daily
- Weekly
- Monthly

Name	Phone number	E-mail			
Anderson, Andreas	22	anderson@test.com	👑	📞	✕
Benderson, Bertha	33	benderson@test.com	👑	📞	✕
Edison, Edward	66	edison@test.com	👑	📞	✕

Figure 40 – Example for a new conference

Via the following button the data of the desired conference participants can either be entered manually, a user of the telephone system can be selected or an entry from the address book can be selected:



The following checkbox controls whether a conference participant has moderation rights in the conference or not:



The setting whether to call a participant from the conference system of the telephone system is made via the following button. Especially for regular appointments it is recommended to activate this option.



Before saving the new conference date, there are some basic settings for conferences in the telephone system administration, such as: to allocate telephone numbers for conferences. If these settings have not yet been made by the system administrator, a corresponding message will be displayed.







By saving the conference, all participants will receive an invitation by e-mail. There will also be a notification by e-mail in the following cases:

- in case of subsequent changes to the conference (for example a change of time)
- as a reminder 15 minutes before the start of the conference
- after the end of each conference appointment (at recurring conferences)

5.12.2 Planned Conferences

The **Planned Conferences** tab displays all scheduled conferences.

The following options are available when selecting the button 

-  Create a new conference
-  Start of the conference (maximum 10 minutes before automatic start possible)
-  Default e-mail program opens with the addresses of the participants
-  Editing the configuration of the conference
-  Copy conference configuration and use as a template for a new conference
-  Delete conference

Note: For recurring conference appointments, the future conference appointment will appear in this view approximately 15 minutes after the last conference in the series.





A planned conference can be entered up to a maximum of 60 minutes after its start time, unless participants have already entered the conference.

5.12.3 Finished Conferences

The **Finished Conferences** tab displays all the conferences that have ended. These are, on the one hand, the one-time conferences and the past conferences of a repetitive conference series.

The following options are available when selecting the button 

-  Create a new conference

-  Start of the conference (maximum 10 minutes before automatic start possible)
-  Default e-mail program opens with the addresses of the participants
-  Copy conference configuration and use as a template for a new conference
-  Delete conference

5.13 Drag & Drop in the UCC Client

This chapter describes the options for triggering actions within the UCC client via drag & drop. Within the following table, the first column indicates which item is dragged and dropped, and the second column indicates the target.

Source	Aim	Action
Active conversation in the Call Manager	BLF of a user / group	Redirection with consultation or blind transfer
Active conversation in the Call Manager	Hold conversation in the Call Manager	Redirection without consultation*
Incoming call in the Call Manager	BLF of a user / group	Redirection without consultation
Any file	Active window "Chat"	Send file
Any file	BLF of a user	Send file
BLF of a user	Active window "Chat"	Create a spontaneous chat room
BLF of a user	"Call Manager" window	Start call
BLF of a user	Conference in the Call Manager	Add participants to the conference (without consultation)
BLF of a user	Empty window "chat"	Start chat
BLF of a user	Search field in the Quick Access Bar	Start call
Direct Dial function key	Call Manager	Start call
Direct Dial function key	Conference in the Call Manager	Add participants in the conference (with consultation)
Direct Dial function key	Search field in the Quick Access Bar	Start call
Hold conversation in the Call Manager	Active conversation in the Call Manager	Start conference*

Table 12 - Overview of Drag & Drop actions in the UCC client

All actions marked with an asterisk * can only be used if the feature "knocking" is activated on the telephone system for the respective triggering user.

Different Drag & Drop actions in the UCC Client also indicate in advance by a change of the mouse arrow which action will be triggered:



Trigger a call



Start chat



Create a spontaneous chat room



Redirection without consultation (Blind transfer)



Redirection with consultation







Start conference

5.14 Integration in Microsoft Outlook

With this feature, the current status of a user on the telephone system can be viewed directly in Microsoft Outlook live and various functions can be used directly from within Office.

The user's live status is indicated by a coloured marker to the left of the user name, e.g. when writing a new email.

In addition, the following buttons are available in the Contact view:

-  Start chat (only with corresponding chat right on the telephone system)
-  Call user
-  Call user
-  Write an email to the contact (via standard email program)

For this feature to work, the following system requirements must be met:

- Office 2013, Office 2016 or Office 365 are installed and used locally.
- “Lync” or “Skype for Business” is installed locally, alternatively the “Unified Collaboration API” is installed (see also “[3.2 - Installing the UCC Client](#)”).
- The contact stored in Outlook contains the same email address that is stored on the STARFACE for each user in any email field.

Note: The upper case and lower case is adhered to in the e-mail address and must be identical.

In addition, the subject and the text of an e-mail in full view are automatically searched for call numbers. The recognised numbers are displayed under the heading "Detected numbers" in the sidebar.

Note: The preview view of an e-mail is only automatically searched for call numbers if the email is less than 512 kilobytes.

In addition, the integration in Microsoft Outlook offers the possibility to check incoming calls against the contact folders and connected address books, so that the respective contact data are displayed. For this, the contact data from the contacts folders and the address books must be loaded into the local cache.

This is done either via the automatic synchronisation (see next point) or can be triggered manually via the button of the same name.

5.14.1 General configuration in Outlook

In the first tab you can configure via checkbox for which calls a notification will be displayed. It can be differentiated between internal and external calls.

The number of entries displayed in the sidebar can be freely configured via the input field of the same name. The checkbox “Show group calls” can be used to configure whether existing group calls are displayed in the log or not.

The “Automatically Sync Contacts” drop-down menu configures how often the local cache is synchronised with the contact folders and the address books.

Using the button of the same name, the local cache can be completely reset so that the synchronisation of the contact data is completely rebuilt.

5.14.2 Contacts folder in Outlook

In the tab “contacts folder” the contact folders can be configured, which should be synchronised in the local cache.

5.14.3 Address books in Outlook

In the tab “address books” the address books can be configured, which should be synchronised in the local cache.

5.14.4 Telephone number fields

In the tab “Call no. fields” the fields that will be displayed for a contact can be selected. The selected and thus displayed fields are displayed on the right side.

5.15 Integration of the Snom D7

The UCC client can be used together with the Snom D7 keypad extension panel. For this, the corresponding driver must be installed during the installation (see also “[3.2 - Installation des UCC Clients](#)”). Up to 8 coupled Snom D7 expansion panels can be used.

Note: Concerning the procedure for the coupling of several Snom D7, the manufacturer documentation has to be considered.

The transfer of the BLF function keys must be carried out as described in chapter “[5.7 - Function Keys](#)”. The Snom D7 keypad extension field displays the same function keys that are also displayed in the UCC client.

The signalling behavior of the colours on a Snom D7 differs at some points from the normal colour status of the standard BLF function key. For this reason, here is a separate overview of the signalling behavior:

Standard BLF key	Snom D7
green	green
yellow	yellow
red	red
blue	red
grey	No colour signalisation

Table 13 - Overview of the colour signalisation of a Snom D7

5.16 Updating the UCC Client

In the main window of the UCC client you can search for updates below the menu item **Help**. A link to the release notes of the new version is displayed before installation.

When the update is started, the necessary data is downloaded in the background. During the download process, the UCC client can continue to be used without restrictions.

If the download of the update is finished, a corresponding message is displayed. If the installation of the newer version is not confirmed, the update data must be downloaded again at a later date.

Note: There is no automatic check of whether the version of the UCC client to be installed is compatible with the version of the telephone system.

Appendix

This appendix provides additional information about the UCC Client.

6.1 Information for headsets

An overview of the UCC Client supported headsets can be found here:

[Supported headsets for the UCC Client for Windows](#)

6.2 Mute on incoming calls

The UCC client supports the feature that stops certain programs (such as the Windows Media Player) or reduces their volume when a call comes in.

To do this, the “Windows standard communication device” must first be configured in the UCC client for input and output (see also “[4.5 Expert mode](#)”).

Then the standard communication device can be defined in the “Playback” tab of the Windows Sound Configuration (right-click on the speaker icon).

As the last step, the desired behavior must be selected in the “Communication” tab of the Windows Sound Configuration (right-click on the speaker icon).

Note: It should be noted that not all audio devices and programs support this procedure.

6.3 Call setup by command line call

For an action to be triggered via the command line parameters, an instance of the UCC client must already be active on the PC.

If the StarfaceUcClient.exe is called up with the parameters, the respective action is carried out by the entity already running and registered on the telephone system.

An outgoing call can be set up as follows:

```
StarfaceUcClient.exe /PHONENUMBER="+ <target number>"
```

```
StarfaceUcClient.exe /PHONENUMBER="+ 4972133445566"
```

6.4 Fax transmission via command line call

For an action to be triggered via the command line parameters, an instance of the UCC client must already be active on the PC. If the StarfaceUcClient.exe is called up with the parameters, the respective action is carried out by the entity already running and registered on the telephone system.

Here are some examples of use:

Send a PDF file as a fax, whereby the user must enter the destination number:

```
StarfaceUcClient.exe "c:\test\test.pdf"
```

Send a PDF file as a fax to a fixed given fax number:

```
StarfaceUcClient.exe "c:\test\test.pdf" /FAXNUMBER="+4972188776655"
```

Send a serial fax with the fax jobs specified in a CSV file:

```
StarfaceUcClient.exe /SERIALFAXINPUT="c:\test\test.csv"
```

The structure of the CSV file can look like this:

```
"+4972112345678";"c:\test\test1.pdf"  
"(0721) 12345678";"c:\test\test2.pdf"
```

Send a serial fax and write a CSV file as the send report. The fax jobs are defined as above in the CSV file:

```
StarfaceUcClient.exe /SERIALFAXINPUT="c:\test\test.csv"  
/SERIALFAXOUTPUT="c:\test\testresult.csv"
```

The result file contains one line per executed fax job with the following structure:

```
"<Fax number from the csv file>";"<dialled fax number>";"<pdf file>";"<result>";"<number of redials>";"<sent page count>/<total page count>";"<time stamp>"
```

Delete PDF files after successful fax transmission:

```
StarfaceUcClient.exe /SERIALFAXINPUT="c:\test\test.csv"  
/SERIALFAXOUTPUT="c:\test\testresult.csv" /CONCURRENTFAXCOUNT =2  
/DELETEPDFAFTERSENT
```

It is checked if the same PDF file may still be needed for a later fax operation from the CSV file. If this is the case, the file is not deleted until it is no longer needed in the queue.

Increase the number of parallel faxes:

```
StarfaceUcClient.exe /SERIALFAXINPUT="c:\test\test.csv"  
/SERIALFAXOUTPUT="c:\test\testresult.csv" /CONCURRENTFAXCOUNT =2
```

The UCC client sends only one fax at a time. In order to achieve a higher throughput with correspondingly generous server configuration, the number of faxes to be sent simultaneously can be increased for a serial fax transmission (1 to 10 simultaneous faxes).

6.5 Overview of the TAPI functions

The UCC client implements a TAPI 2.x named "TAPI Service Provider" (TSP). The following TAPI functions are supported:

- lineGetDevCaps
- lineGetLineDevStatus
- lineGetID
- lineGetAddressCaps
- lineGetAddressStatus
- lineOpen
- lineClose
- lineMakeCall
- lineAnswer
- lineHold

- lineUnhold
- lineSwapHold
- lineGenerateDigits
- lineDrop
- lineCloseCall
- lineGetCallInfo
- lineGetCallStatus
- lineRedirect
- lineBlindTransfer
- lineCompleteTransfer

6.6 Create Support Package

In order to be able to better analyse an error case, it is possible to increase the log level of the UCC client and also to activate SIP debugging (recording of the SIP messages) via the **Help** and **Logging** button.

For this the logging simply has to be changed to “Debug Logging”. After the next occurrence of the error, the ZIP file with all log files can be created using the **Create Support Package** button.

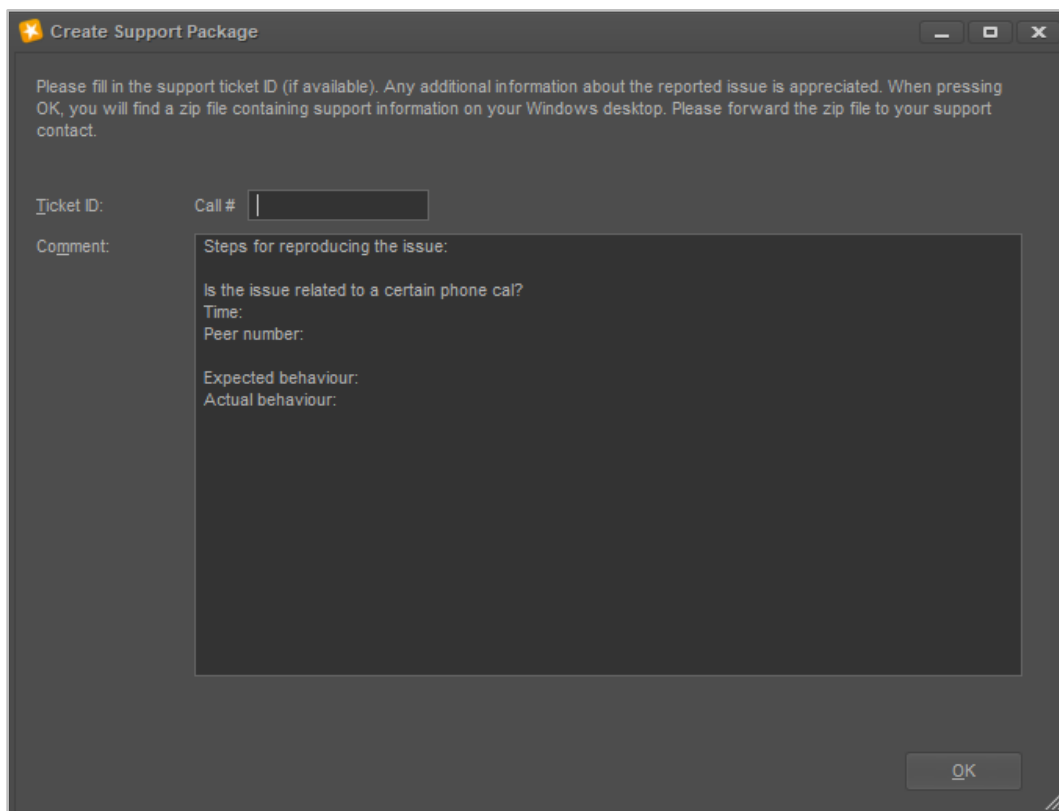


Figure 40 - Generating support package

Note: Please note that transmitted log files do not directly permit a conclusion on the error pattern that has occurred. A precise description of the error pattern that has occurred makes it much easier to find a solution.

6.7 Perform Audio Performance Test

To better analyse an audio problem, you can use the **Help** button and then **Audio Performance Test** to test the audio connection. The actual test takes about 10 seconds and no other actions should be carried out during that time.

Note: Only the currently configured audio device (see also “4.2.2. - Audio”) is tested and not all existing audio devices.

The result of the audio test is output in a dialog box and it is also possible to create a support package with the test results (see also “6.6 - Creating a support package”).

6.8 Manual registration of the Outlook Connector

The Outlook Connector can be registered manually via the command line. For this, the command line must be opened as administrator. Then you have to switch to the following program directory:

C:\Program Files\STARFACE\Outlook Connector

The file "adxregistrator.exe" allows you to register the Connector in Outlook. The result of the registration is written in the following logfile:

<Documents>\Add-in Express\adxregistrator.log

Note: The tool does not output any error messages.

Here are some example calls:

Install for all users

- Open the command line as administrator and change to the program directory.
- `adxregistrator /install="OutlookConnector.dll" /privileges=admin`

Install for the current user

- Open the command line and change to the program directory
- `adxregistrator /install="OutlookConnector.dll" /privileges=user`

Uninstall for all users

- Open the command line as Admin and change to the program directory
- `adxregistrator /uninstall="OutlookConnector.dll" /privileges=admin`

Note: This procedure is only possible if the right “privileges = admin” has been registered.

Uninstall for the current user

- Open the command line and change to the program directory
- `adxregistrator /uninstall="OutlookConnector.dll" /privileges=user`

Note: This procedure is only possible if the right “privileges = admin” has been registered.

In the registry it is possible to check whether the Connector has been registered in Outlook:

For all users (privileges=admin):

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

or

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

For the current user (privileges=user):

HKEY_CURRENT_USER\Software\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

6.9 Filing directory of the log files

The general log files of the UCC client, the Outlook connector and the fax printer connection are written to the Temp directory of the respective user:

C:\Users\<Username>\AppData\Local\Temp\STARFACE GmbH

The log files for TSP are in the following path:

C:\ProgramData\STARFACE GmbH\TSPVogs

The logfiles for sending faxes are in the following path:

C:\Users\<Username>\AppData\Local\Temp\Starface GmbH\FaxDriverPlugin

If the UCC client terminates due to an unattended error, a Memory Dump is written. The memory dumps of the UCC client are stored in the following path:

C:\Users\<Username>\AppData\Local\Temp\STARFACE GmbH\UccClientVogs

The bundle installer “setup.exe” writes the following log files:

- dotNetInstallerLog.txt
- StarfaceClientInstall.log
- StarfaceClientUnInstall.log

in the Temp directory of the respective user at:

C:\Users\<Username>\AppData\Local\Temp\STARFACE GmbH

6.9.1 Enable Windows Installer Logging

It is possible to activate Windows Installer Logging via the registry. To do this, in the registry key must:

HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\Installer"

be created a string value with the name "logging" and the value "voicewarmup". The log files are written to the user's Temp directory.

After activation, the Windows Installer writes log files to the Temp directory for all installation processes. The log files are named after the schema MSI*.LOG. After debugging the setup, the value should be cleared again to avoid unnecessary log files.

Note: Registry intervention is at your own risk and is recommended only to experienced users and administrators.

6.9.2 Logging the Outlook Connector

The Outlook Connector is based on the 3rd party product "AddIn Express". The "AddIn Express" writes the log files to the user's document directory:

C:\Users\<Benutzername>\Documents\Add-in Express

in the two log files:

- adxloader.log Log of loading the Outlook Connector
- adxregistrator.log Log of installing the Outlook Connector

6.10 Manual registration of the Outlook Connector

The Outlook Connector can be registered manually via the command line. For this, the command line must be opened as administrator. Then you have to switch to the following program directory:

c:\Program Files\STARFACE\Outlook Connector

The file "adxregistrator.exe" allows you to register the Connector in Outlook. The result of the registration is written in the following logfile:

<Documents>\Add-in Express\adxregistrator.log

Note: The tool does not output any error messages.

Here are some example calls:

Install for all users

- Open the command line as administrator and change to the program directory.
- adxregistrator /install="OutlookConnector.dll" /privileges=admin

Install for the current user

- Open the command line and change to the program directory
- `adxregistrator /install="OutlookConnector.dll" /privileges=user`

Uninstall for all users

- Open the command line as Admin and change to the program directory
- `adxregistrator /uninstall="OutlookConnector.dll" /privileges=admin`

Note: This procedure is only possible if the right "privileges = admin" has been registered.

Uninstall for the current user

- Open the command line and change to the program directory
- `adxregistrator /uninstall="OutlookConnector.dll" /privileges=user`

Note: This procedure is only possible if the right "privileges = admin" has been registered.

In the registry it is possible to check whether the Connector has been registered in Outlook:

For all users (privileges=admin):

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

or

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

For the current user (privileges=user):

HKEY_CURRENT_USER\Software\Microsoft\Office\Outlook\Addins\SF.UcClient.OutlookConnector.AddinModule

6.11 Installation without internet connection

If there is no internet connection on the target system of the installation, the required packages can also be stored locally. For this purpose, the files must be stored in a directory with the name "redist".

The overview of file locations:

- `setup.exe` No storage in a subdirectory
- `gs915w64.exe` In the subdirectory "redist"
- `gs915w32.exe` In the subdirectory "redist"
- `dotNetFx40_Full_x86_x64.exe` In the subdirectory "redist"

For manual installation, the following packages must be installed:

Microsoft .NET Framework 4.5.1

<http://www.microsoft.com/de-de/download/details.aspx?id=17718>

Ghostscript 9.15 for 32bit or ghostscript 9.15 for 64bit

<http://downloads.ghostscript.com/public/gs915w32.exe>

<http://downloads.ghostscript.com/public/gs915w64.exe>

Note: Ghostscript is optional and only needed for the fax printer.

MSI package (different for 32bit and 64bit Windows)

The MSI setup does not fail if eDocPrintPro or Ghostscript does not exist. However, the fax printer can not then later generate any PDF files, therefore the fax functionality is not given, therefore these two programs have to be installed manually.

When installing the MSI package, the individual features of the client can be selected:

- UCC Client
- Outlook Connector
- Fax Printer
- TAPI

The installation of the UCC Client automatically removes all listed previous versions.

- STARFACE MS Outlook Connector 1.5.11
- STARFACE MS Outlook Connector 2.0.x
- STARFACE TSP 2.0.x
- WinClient 1.4.5 and more recent
- Starface Fax 3.17.1 and more recent

On a terminal server, the registry service does not need to be installed separately. In the contrary, an existing registry service should be manually uninstalled on a terminal server.

6.11.1 Command line options for installation

The following options are available when installing the setup.exe file:

- /i Installs the program (default)
- /x Uninstalls the program
- /q Silent setup options for installation
- /qb Only progress bars
- /noreboot Installation without reboot

The desired features can be selected via the command line.

The following command line installs all features.

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi  
ADDLOCAL=FeatureUcClient,FeatureAutoUpdateCDN,FeatureHeadsets,Jabra,Sennheiser,Plantronic  
s,FeatureOutlookConnector,FeatureTSP,FeatureFax,FeatureSnomD7,FeatureUnifiedCollaborationApi
```

For customisation, the unwanted features must be removed from the parameter list. The UCC client itself is always required, e.g. not to install the TSP without the UCC client:

The following command line installs only the UCC client in Silent mode without cancel button and writes a log file in the Temp directory

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi  
ADDLOCAL=FeatureUcClient /qb! /Lvoicewarmup %temp%\Protokolldatei.txt
```

6.11.1.1 Further application examples

Silent Installation:

```
STARFACE_UCC_Client_for_Windows_v6.X.Y.Z.exe /i /q
```

Only progress bar with cancelling option:

```
STARFACE_UCC_Client_for_Windows_v6.X.Y.Z.exe /i /q
```

Install program (MSI file is located directly in C:\):

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi
```

Install program (MSI file is directly in C:\) with log file:

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /Lvoicewarmup  
%temp%\Protokolldatei.txt
```

Quiet Mode (no interaction with the user):

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /quiet
```

Unattended Mode (only progress bar):

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /passive
```

Reduced surface:

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /qr
```

only progress bar:

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /qb
```

only progress bar and no “Cancellation”:

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /qb!
```

No expenses on the screen:

```
msiexec /i c:\STARFACE_UCC_Client_for_64bit_Windows_v6.X.Y.Z.msi /qn
```

6.11.2 Specification of a configuration during the rollout

The setup supports the installation with certain default settings. These settings are specified in the following optional configuration files:

- CustomDefaultUser.config
- CustomForcedUser.config
- CustomDefaultAudio.config
- CustomForcedAudio.config
- CustomDefaultCallResponseWeblinks.xml

- CustomDefaultWeblinks.xml
- CustomForcedCallResponseWeblinks.xml
- CustomForcedWeblinks.xml
- CustomDefaultOutlookSettings.xml

The setup can install all or some of these files. When using setup.exe, the files to be installed (with the above predefined file names) must be located in the subdirectory "CustomConfigFiles" next to setup.exe.

By directly using the MSI files, the path to the files to be installed can be passed from the command line. One example might look like this:

```
msiexec.exe /i "STARFACE_UCC_Client_for_64bit_Windows_v6.0.1.22.msi"  
CUSTOMCONFIGFILES="c:\UccClientVorgabeKonfigurationsdateien"
```

6.11.2.1 Explanation of the default files

The following files contain a default configuration, in case a Windows user starts the Client on a Windows PC for the first time:

- CustomDefaultUser.config
- CustomDefaultAudio.config

The following files contain a configuration that is to be specified by the administrator. These files are reloaded by the UCC client after loading the user-specific configuration and overwrite the user's settings if necessary:

- CustomForcedUser.config
- CustomForcedAudio.config

The following files contain administrator-suggested favorites and call-action URLs. The user can configure additional URLs. If the user deletes one of the default URLs in the configuration, it will be added again during the next start:

- CustomCallResponseWeblinks.xml
- CustomWeblinks.xml

The following files contain administrator-preset favorites and call-action URLs. If these files exist, the UCC client will only load these administrator-supplied URLs. The user can configure additional URLs, but they will not be loaded during the next start:

- CustomForcedCallResponseWeblinks.xml
- CustomForcedWeblinks.xml

The following files contain a default configuration for the Outlook Connector configuration, in the case that a Windows user starts the UCC Client on a Windows PC for the first time:

- CustomDefaultOutlookSettings.xml

The assignment to the user-specific configuration files in the directory "c:\Users\\AppData\Roaming\STARFACE GmbH\UccClient" results from the file names.

The easiest way to create the configuration files to be installed is to initially set the desired configuration manually with the UCC Client. The configuration files can then be copied and customised accordingly.

The UCC client installs sample rollout files that are useful as starting points for customisations.

The example files:

- CustomDefaultUser.config
- CustomForcedUser.config
- CustomDefaultAudio.config
- CustomForcedAudio.config
- CustomDefaultCallResponseWeblinks.xml
- CustomForcedCallResponseWeblinks.xml
- CustomDefaultWeblinks.xml
- CustomForcedWeblinks.xml
- CustomDefaultOutlookSettings.xml

6.11.2.2 Prevent manual update

By default, the manual software update (see also [“5.16 Updating the UCC Client”](#)) of the UCC Client is activated for a user. To hide the feature, the following registry key:

```
HKEY_LOCAL_MACHINE\SOFTWARE\STARFACE\UC_CLIENT  
DWORD Value "AutoUpdateCDN"
```

must be set to a value other than “1”. If the feature is deactivated, it will neither be displayed under the menu item “Help” nor in the settings.

When distributing via MSI or setup.exe, the feature can be switched on or off via the command line. The feature is named "FeatureAutoUpdateCDN" there.