



Manual

TCS:App for Android operating system SAX5200

version 2.0.9



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Scope of delivery

1 x manual TCS:App for Android operating system

Intended use

The user program TCS:App was developed for Smartphone user, who want to receive door calls on their Smartphone. The TCS:App is only suitable to receive and monitor door calls via an IP-network as well as to trigger the control function door release.

About this manual

- The manual describes essential actions.
- Terms in italics stand for designations used in the software (e.g. set key).
- Underlined words are references. By pressing Strg + required word you can go to the mentioned topic.
- The symbol ► signals an action step.

Program overview

The TCS:App realises mobile door communication via Smartphone. Using the TCS:App you can accept door calls and open the door location-independent.

Functions:

- accept VoIP calls
- video images from front-door station and cameras can be displayed
- switch-over between cameras at the TCS:BUS (with FBI6110-0400 and FVU1401-0400)
- door release when voice connection is established
- missed and accepted door calls are stored with image, date and time in a call list
- ring tone mute
- select out of 26 polyphonic ring tones (see series sky™ and skyline™)

System requirements

Minimum requirements:

- operating system: Android version 2.3.3 or higher
- 10 MB free storage space
- network connection (WLAN) and/or mobile data connection (3G/4G)
- TCS:BUS system installed by a qualified electrician with the following components:
 - IP video front-door station (AVU940x0)
 - SIP-Gateway (FBI6101)
 - Video-Streamer (FBI6110)
 - indoor station (e.g. ecoos™)
 - power supply (e.g. VBVS05-SG)
- router with VoIP technology which is already installed and ready to operate (e.g. FRITZ!Box)

Download TCS:App

Please download the TCS:App directly from Google Play Store, under <https://play.google.com/store/apps/details?id=de.tcs.tcscontrol> .

Alternatively download the TCS:App via the QR Code (fig. 1).

- ▶ Scan the QR Code with your Smartphone.



Fig. 1: QR Code

Install the TCS:App

- ▶ Press the button **Install** (fig. 2).
- ▶ Confirm the access rights of the TCS:App.
- ▶ Follow the instructions of the installation.



Fig. 2: Installing the TCS:App

Uninstall the TCS:App

via Google Play Store:

- ▶ First click on the Google Play Store symbol and then on **My Apps**.
- ▶ Click on TCS:App.
- ▶ Select the option **Uninstall** in the detailed view.
- ▶ Confirm with **OK**.

via device settings Smartphone:

- ▶ Switch to the start page on your Smartphone (fig. 3).
- ▶ Select settings (fig. 4).
- ▶ Select the application manager (fig. 5).
- ▶ Select the TCS:App.
- ▶ Select **Uninstall**.
- ▶ Confirm with **OK**.



Fig. 3: start page Smartphone



Fig. 4: Settings



Fig. 5: application manager

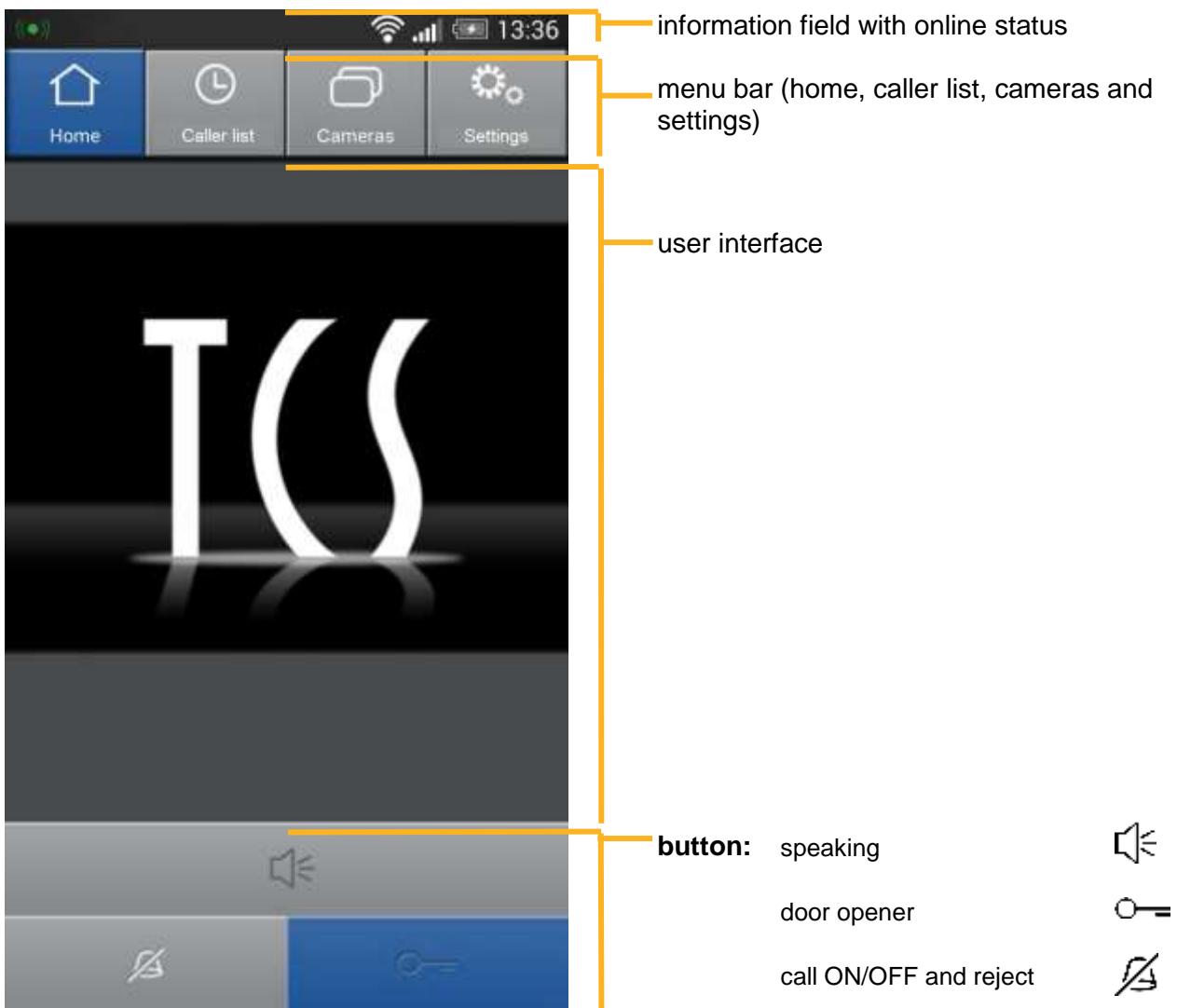
Start the TCS:App

- ▶ Click on the TCS:App symbol (fig. 6).











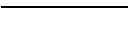










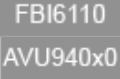

Fig. 6: Symbol of the TCS:App

Overview program window



Symbols and buttons

symbol / button	designation	function
status feedback in the information field		
	handset (green)	signals an incoming door call
	handset (red)	signals a missed door call
	connection symbol	signals if a registration at the SIP server has been successful
HOME		
	menu Home	main screen
	speech button (grey)	The speech button is inactive.
	speech button (green)	accept a door call
	speech button (red)	end a door call
	door release button (the symbol key is grey)	The door release button is inactive.
	door release button (the symbol key is white)	The door release button is active.
	call ON/OFF or reject a door call	<ul style="list-style-type: none"> • switch off the ring tone • reject door calls
	call ON/OFF or reject a door call	<ul style="list-style-type: none"> • switch on the ring tone • reject door calls
caller list		
	menu caller list	overview of missed and received door calls
	status indication in the caller list	<ul style="list-style-type: none"> • green bar (accepted door call) • red bar (missed door call)
	button to delete door call	to delete one door call in the caller list

cameras		
	menu camera	to list the video front-door stations and installed cameras
settings		
	menu settings	configuration of the SIP and door settings
	add button	to add further video front-door stations and/or cameras
	delete button	to delete video front-door stations and/or cameras
	button activate/deactivate	to activate and deactivate functions
	button for FBI6110 and AVU940x0	select the video URL
	save button	save the settings

Settings

The following configurations can be made in the menu *settings* (fig. 7):

Information:

- Detailed information on the TCS:App (version and address of the manufacturer).

Activate / deactivate VoIP:

- activated: You are registered at the SIP server. The TCS:App pops up automatically in case of an incoming door call.
- deactivated: You are not registered at the SIP server. The TCS:App doesn't pop up automatically in case of an incoming door call.

SIP settings:

- Enter your registration data of the SIP server.

door settings:

- Enter the registration data of your (video) front-door station.

ring tones:

- 26 ring tones (series sky™ and ISH3030) are available. Ex works, the ring tone *door bell* is set.



Fig. 7: Settings

SIP settings




The *SIP settings* for *server* and *account* are provided by the SIP server (e.g. FRITZ!box).

- ▶ Click the menu *settings* .
- ▶ Select the option *SIP settings*.
- ▶ Enter the SIP settings into the input fields (fig. 8).

! You will find the required data in the documentation or your SIP server.

- ▶ Click *Save* .
- ▶ Click *Activate VoIP* .

- You can receive door calls and open the door outside of your WLAN net:

- ▶ Click the menu *settings* .
- ▶ Select the option *SIP settings*.
- ▶ Activate the option *use mobile network 3G/4G* .
- ▶ Click *Save* .

- You can improve the quality of the voice connection:

- ▶ Click the menu *settings* .
- ▶ Select the option *SIP settings*.
- ▶ Activate *Use TCP* (Transmission Control Protocol) .
- ▶ Click *Save* .





Fig. 8: SIP settings

SIP server	IP address or URL of the provider.
SIP port	Port number to register at the SIP server.
SIP domain	Is used to disconnect clients and in combination with the number of the SIP protocol to establish a connection.
SIP user	User ID within a domain which is used to identify the door station. In case of an incoming call the allocation is realised via the SIP user ID.
SIP identification	User name to register at the SIP server.
SIP password	Password to register at the SIP server.

Door settings

In the *door settings* you can setup your video front-door stations (AVU940x0) and/or Video-Streamer (FBI6110).

- ▶ Click the menu *settings* .
- ▶ Select the option *door settings*.
- ▶ Click the Add button .
- ▶ Click on the required video URL (video front-door station AVU940x0 or Video-Streamer FBI6110).
- ▶ Enter the corresponding data into the input fields (fig. 9).

! For detailed information see the product information of the Video-Streamer (FBI6110) and video front-door station (AVU940x0). You'll find these under:

http://www.tcsag.de/wEnglisch/pages/downloads/03_Product_documentation.php.

- ▶ Click Save .

Click the Back button  to get back to the previous screen.






Fig. 9: door settings

name	Name of the (video) front-door station, e.g. AVU940x0 - input 1.
SIP-Caller	e.g. **620@fritz.fonwlan.box SIP call number of the audio source (FBI6110 or AVU940x0).
Video URL	Select the video source (FBI6110 or AVU940x0).
URL	http://192.168.1.201. Standard URL address of the Video-Streamer FBI6110.
Port	The video port can be changed in the settings of the Video-Streamer. Factory setting: 12000.

! Please refer to your network administrator for detailed information on your SIP call number, URL address and the video port.

Ring tones

- ▶ Click the menu *settings* .
- ▶ Select the option *ring tones* (fig. 10).
- ▶ Select one of the 26 ring tones and activate this one .
- ▶ Click Save .

- i** Can be selected:
- 13 ring tones of the ISH3030 and
 - 13 ring tones of the sky™.






Fig. 10: setting ring tones

Click the Back button  to get back to the previous screen.

Operation

switch off the ring tone



- ▶ Click *Home*  (fig. 11).
- ▶ Click the *Call ON/OFF button* .
- The color of the *Call ON/OFF button* changes from grey to .
- The ring tone is switched off.

- i** The ring tone can only be switched on and off when in standby mode.









Fig. 11: Standby mode

Switch on the ring tone

- ▶ Click the menu *Home* .
- ▶ Click the *Call ON/OFF button* .
- The color of the *Call ON/OFF button* changes from red to .
- The ring tone is switched off.

Accept a door call

- The color of the *Speech button* changes from grey  to green  (fig. 12).
- A voice connection can be established:
 - ▶ Click the *Speech button* .
- A voice connection to the front-door is established.
- The color of the *Speech button* changes to red .
- The *Door release button* is activated. The color of the key symbol changes from grey  to white .

! By pressing the *Ring tone ON/OFF button* an incoming door call is rejected.



fig. 12: incoming door call

Reject a door call

- ▶ Click the *Call ON/OFF button* .

End a call




- ▶ Click the red *Speech button*  (fig. 13).
- The voice connection is terminated.
- The color of the *Speech button* changes from red  to grey .



Fig. 13: terminate the voice connection

Caller list



- ▶ Click the menu *Caller list* .
- The following information is displayed (fig. 14):
 - source of the door call
 - snapshot
 - optical indication  for door calls (*red* missed call and *green* accepted call)
 - date and time of the door call



Fig. 14: Caller list

Delete a door call from the caller list




- ▶ Select a door call in the list view.
 - The following information is displayed:
 - snapshot
 - name of the caller
 - date and time
 - state: missed or received door call .
 - ▶ Click the button *Delete door call*  (fig. 15).
- Click Back  to get back to the previous screen.



Fig. 15: Delete a door call

Cameras

► Select the menu *Cameras*  (fig. 16).

- The following information is displayed:
 - display the video image
 - name of the video source
 - number of cameras



Fig. 16: images of the cameras

number of cameras	The Video-Streamer (FBI6110) can manage up to 16 cameras. The connected cameras are read out and displayed. For detailed information see the product information of the Video-Streamer (FBI6110). Available under: http://www.tcsag.de/wEnglisch/pages/downloads/03_Product_documentation.php .
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Camera details

► Click the menu  *Cameras* (fig. 17).
 ► Select a video source.

- The video image of the selected video source is displayed.



Fig. 17: Camera details

Display video image	To step between different video sources, the TCS components Video-Streamer (FBI6110) and video switch (VSW04) are necessary. Please contact your qualified electrician.
Order of the video sources	The video sources are displayed in the order in which they are added in the Video-Streamer (FBI6110). For detailed information see the product information of the Video-Streamer (FBI6110). Available under: http://www.tcsag.de/wEnglisch/pages/downloads/03_Product_documentation.php .

FAQ

Error	Cause	Solution
The video sources of the FBI6110 are not displayed.	The names of the video sources were changed after the setup of the TCS:App.	Open the door settings of the Video-Streamer click the button <i>Save</i> again.
There is no video image.	<ul style="list-style-type: none"> - There is no network connection to the video devices. - Wrong settings were made. 	<ul style="list-style-type: none"> - Check the network connection. - Is the mobile telephone connected to the correct WLAN net? - Check your settings.
The mobile network (3G/4G) has connection problems.	Depending on the connection type and its utilization, video and audio connections are not transmitted correctly.	<ul style="list-style-type: none"> - Select an audio codec (SIP server) that needs a lower bandwidth. - Reduce the number of frames in the video sources. - Use only 3G or 4G networks.
Calls are not received.	Depending on the device settings, the WLAN connection may switch off when in standby mode.	<ul style="list-style-type: none"> - Deactivate the power save mode in your device. - Select the option <i>WLAN always active</i> in the extended WLAN settings of your device.

Notes

Service

Please send your questions and inquiries to

hotline@tcsag.de

TCS TürControlSysteme AG

Headquarters: Geschwister-Scholl-Str. 7, 39307 Genthin GERMANY

Fon: +49 3933 8799-10, Telefax: +49 3933 8799-11, E-Mail: info@tcsag.de, www.tcsag.de