



FREUND ELEKTRONIKA D.O.O.



INTEGRA ANDROID APPLICATION WITH FE- TEL-48G

USER MANUAL

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Purpose of the document

Purpose of this document is to show users how to use INTEGRA Android application on FE-TEL-48G.

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1. FREUND FE-TEL-48G with FREUND Integra Android Application

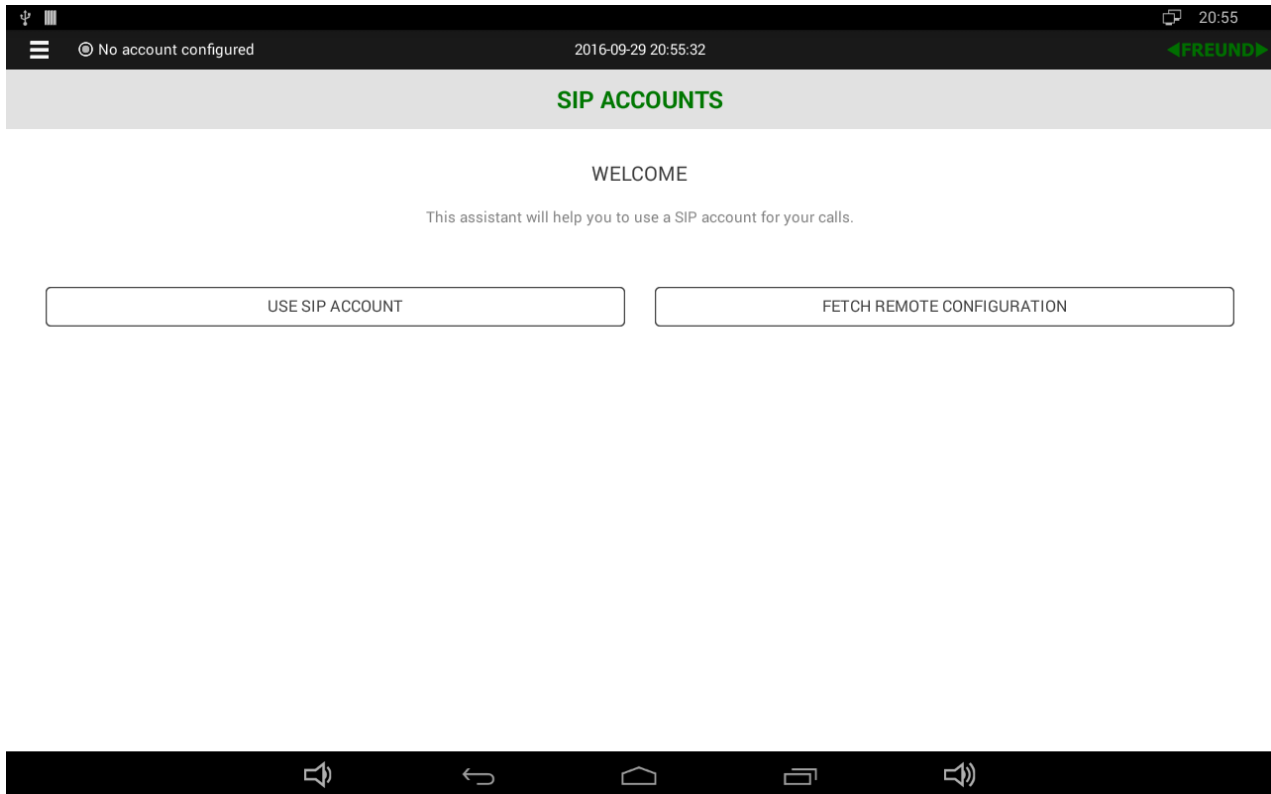


Picture 1-1 – FE-TEL-48G running FREUND Integra Android Application.

FE-TEL-48G is a SIP-based IP phone based on Android 5.0 featuring 7” touch display. Picture 1-1 shows basic configuration of FREUND Integra application which includes two modules: INTERCOM and INFORMATION. They are in green colour while modules which are not used (or not enabled) are grey coloured (shaded).

2. Installation and settings

Display is connected to the LAN (Local Area Network) and powered up using ethernet RJ-45 cable through PoE (Power over Ethernet). After the display is connected to the network and turned on, the user will be prompted with the Welcome screen shown in Picture 2-1..



Picture 2-1 Wellcome screen

Wellcome screen allows the user to enter the parameters for a SIP account, by which display will connect with a SIP server. There are two possible ways for input:

- Use SIP account, manual input
- Fetch remote configuration, automatic input.

2.1 Use SIP Account

After choosing “Use Sip Account” option, the screen shown in Picture 2-1-1 will show up for manual input of parameters for the SIP account.

Username, Password, and Domain are required input fields and they are related to parameters of the SIP account. Domain is reserved for the IP adress of the SIP server. For connecting with SIP server three protocols can be used (UDP, TCP, and TLS).

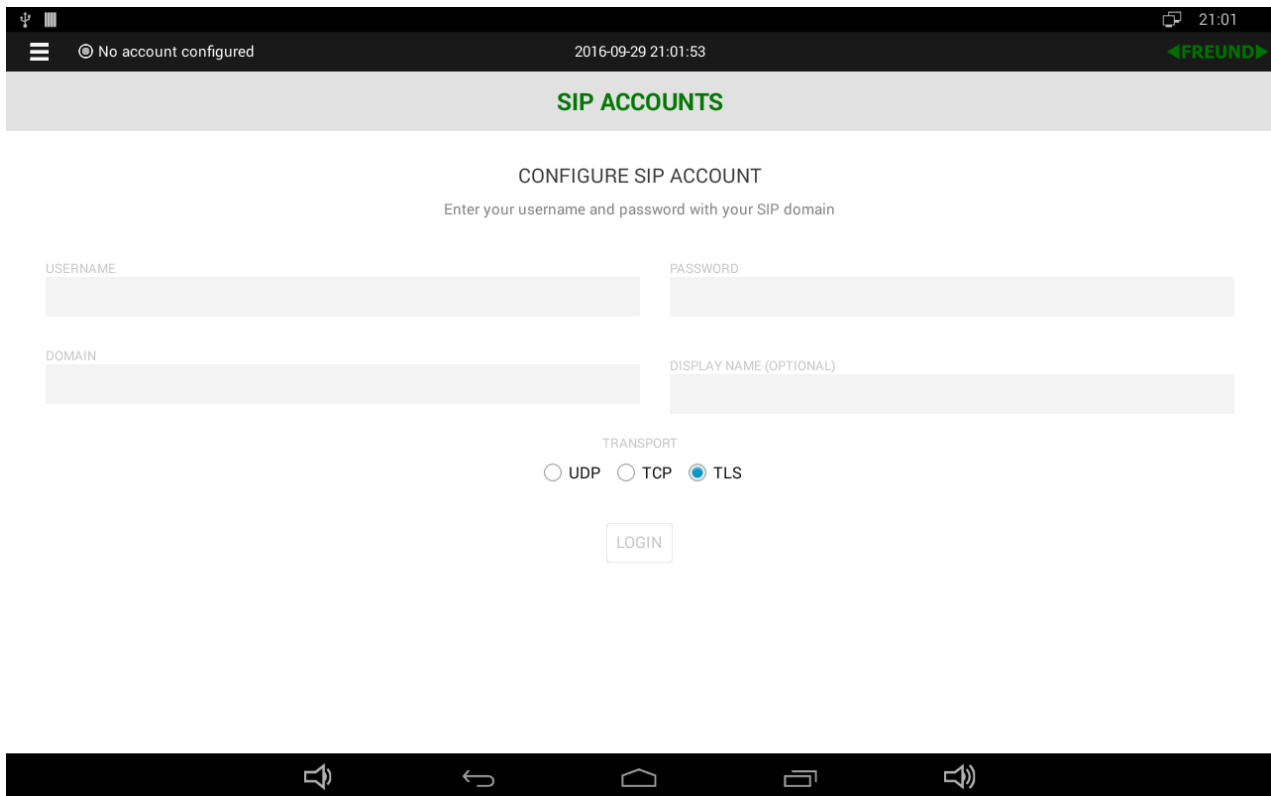
Example of parameters for SIP account:

Username: 211

Password: 211123

Domain: 192.168.1.81

Transport: UDP



Picture 2-1-1 Manual configuration of SIP account

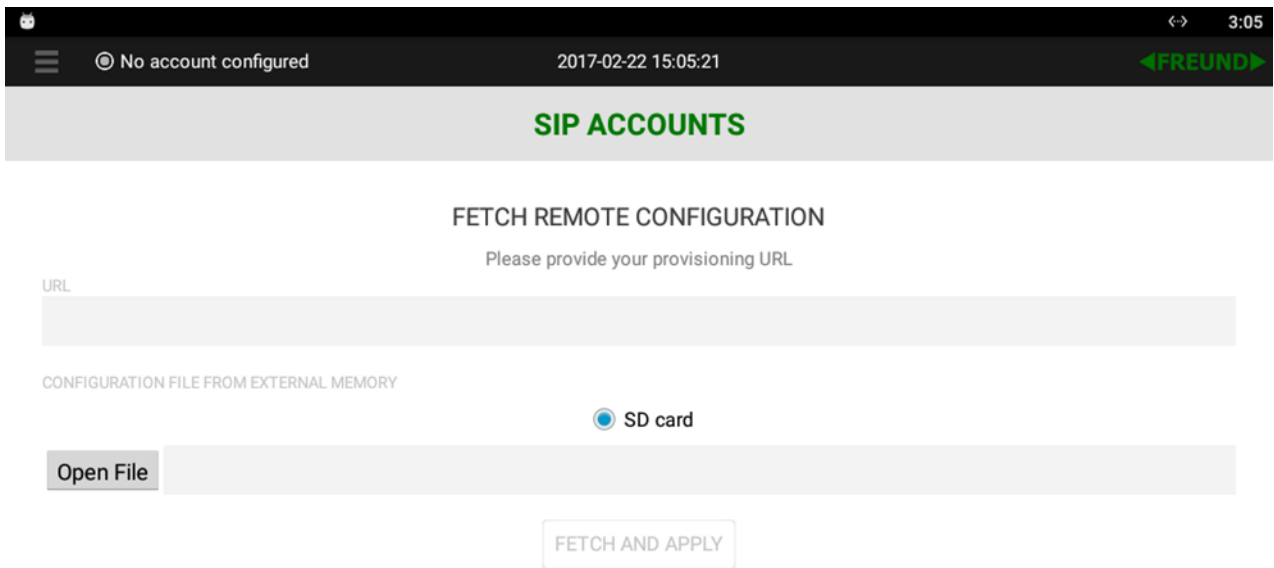
2.2 Fetch remote configuration

“Fetch remote configuration” option allows automatic input of parameters of the SIP account as shown in Picture 2-2. Automatic input is possible through Provisioning URL or configuration file that is saved on SD card.

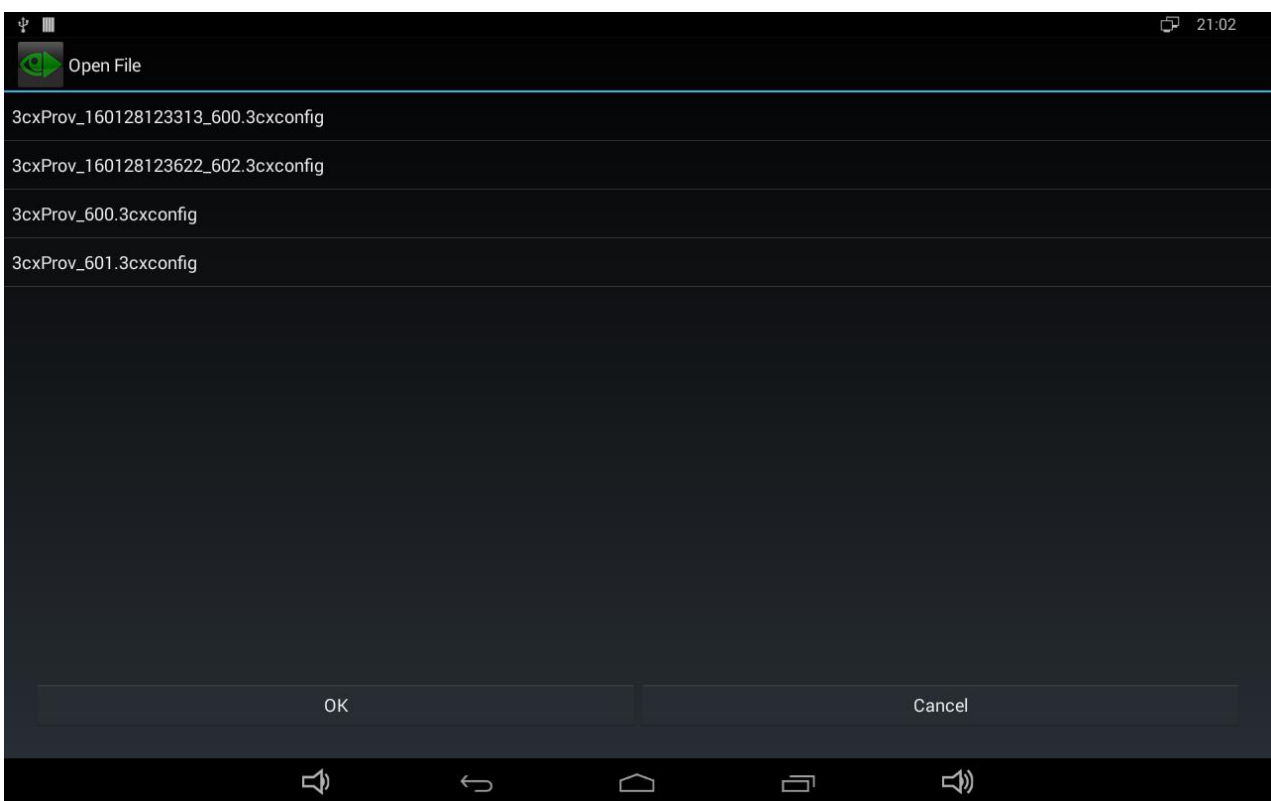
If you want automatic input through URL, the link must begin with “http”. After the link is entered, “Fetch and Apply” button will be enabled. Once “Fetch and Apply” is clicked, the application will begin with downloading configuration file from the specified URL link. After the file is downloaded, the INTEGRA application will connect to the SIP server.

If you want do download the configuration from the SD card, you should click on “Open file” button and choose the configuration file from the external memory (Picture 2-3). Choosing desired file is confirmed by clicking OK. After that “Fetch and apply” button must be used to apply the chosen configuration.

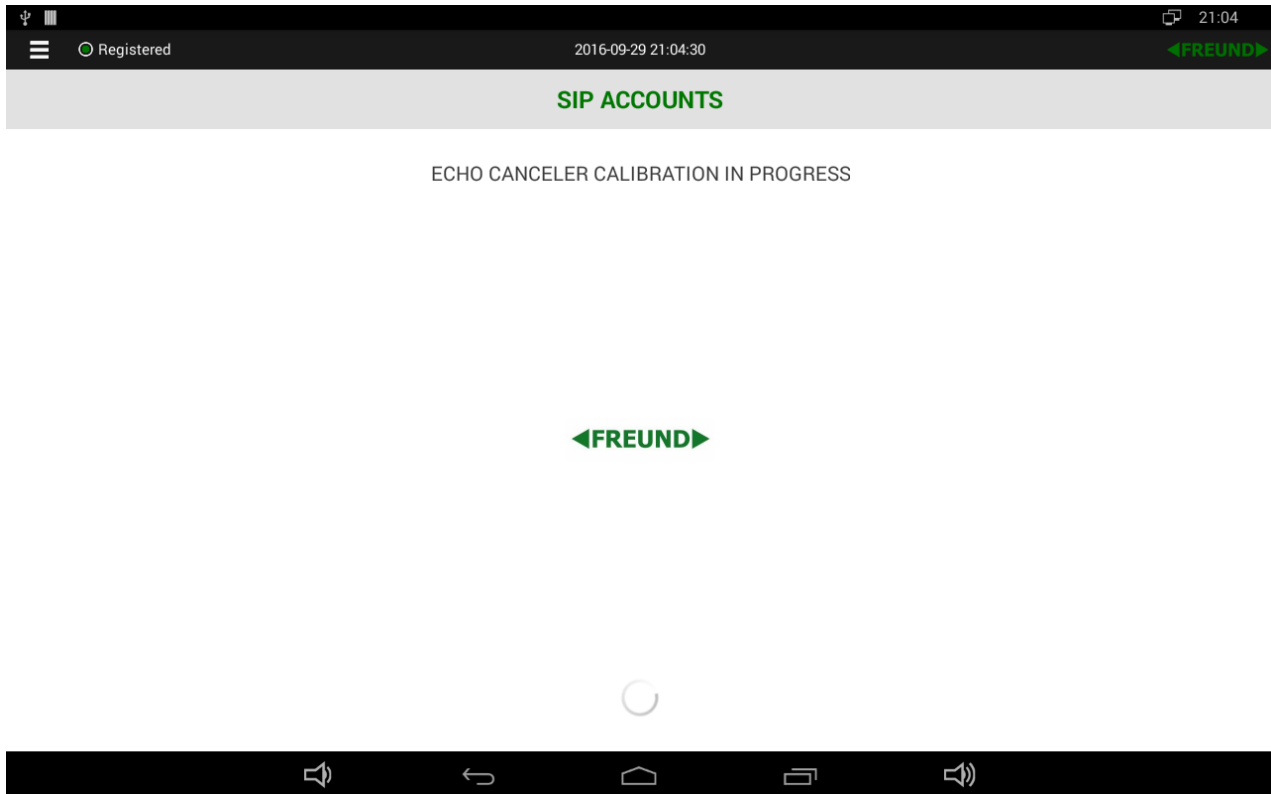
If the connection to the SIP server is successful, “Echo calibration” screen will display (Picture 2-4), and the user should wait for the process of calibration for microphone and speaker to finish.



Picture 2-2 Fetch remote configuration screen



Picture 2-3 The list of configuration files



Picture 2-4 Echo calibration screen

2.3 Main screen

After the calibration is finished, if none of extra modules are connected (IP PHONE, HOME AUTOMATION, ACCESS CONTROL, ENERGY MANAGEMENT, VIDEO SURVEILLANCE, BOOKING, INFORMATION), main screen will run as shown on Picture 2-5.

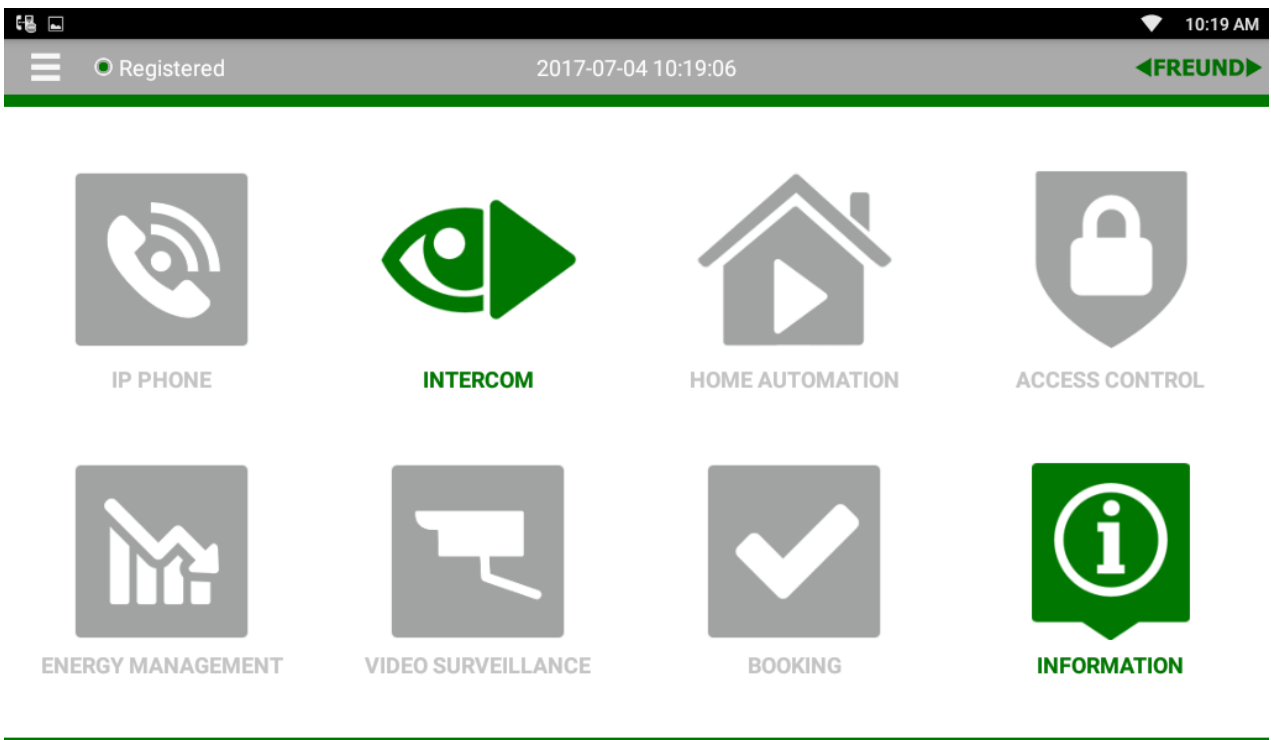
If any of extra modules is connected or enabled, ex. INFORMATION, after the calibration process the screen will look like in Picture 2-6.

Green icons represent enabled modules while disabled modules are shaded. In the upper left corner of the display (Picture 2-5 or Picture 2-6), the green circle indicates that the INTEGRA display is successfully “Registered” to the SIP server. The FREUND logo in the upper right corner of the display serves as the HOME button, and will always return to the screen presented in Pictures 2-5 and 2-6.

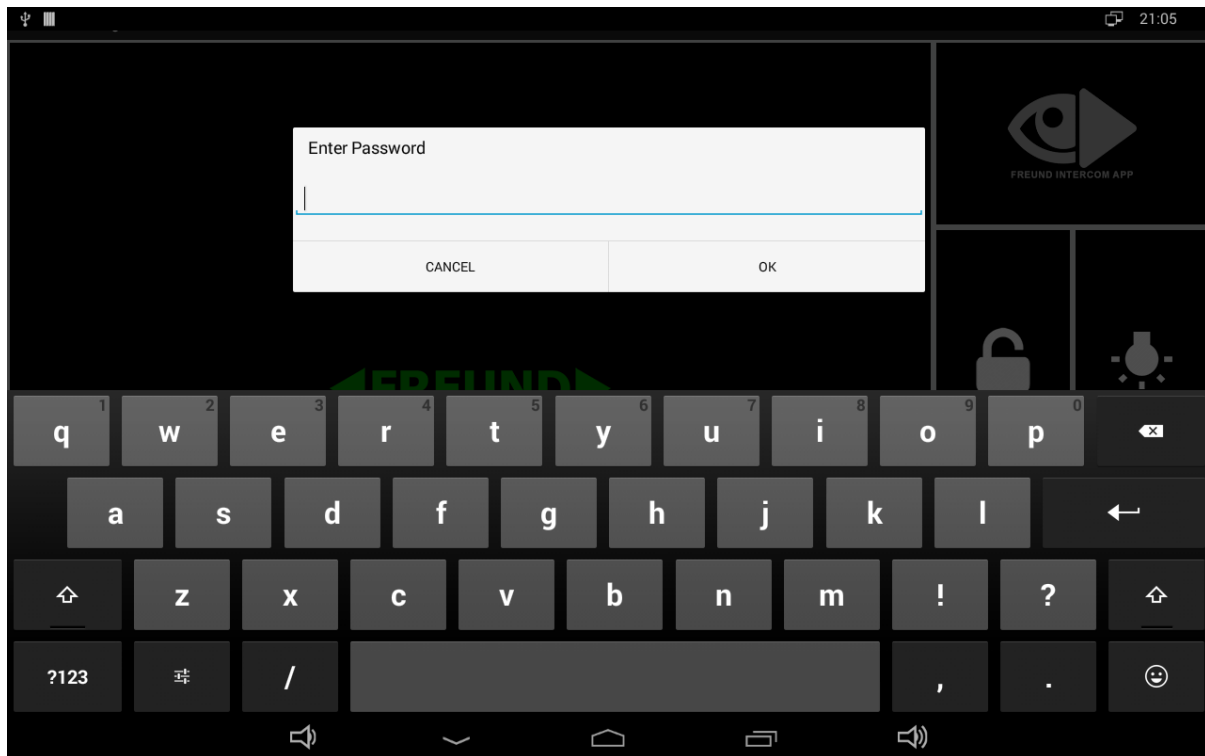
Clicking on the MENU icon (left to the “Registered” green circle), the user will be prompted for a password (Picture 2-7). Default password is freundelektronik66162414. If the application is connected to the SIP server, password from SIP account can be used as well. After the correct password was entered, the menu as shown in Picture 2-8 will be enabled, showing 5 different options: SETTINGS, ABOUT, UPDATE, LOG OUT, and QUIT.



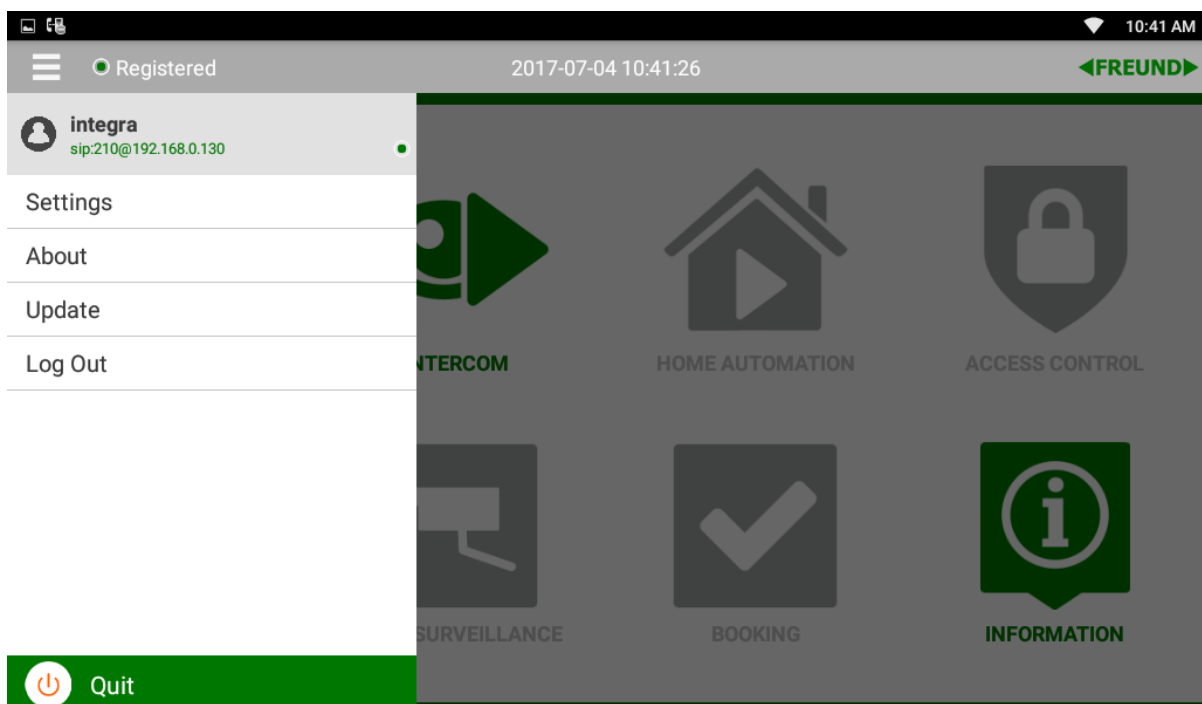
Picture 2-5 Main screen without extra modules



Picture 2-6 Main screen with extra modules



Picture 2-7 Password dialogue



Picture 2-8 Menu

2.4 Settings screen

Choosing the Settings option from the MENU, the following screen will open (Picture 2-8).



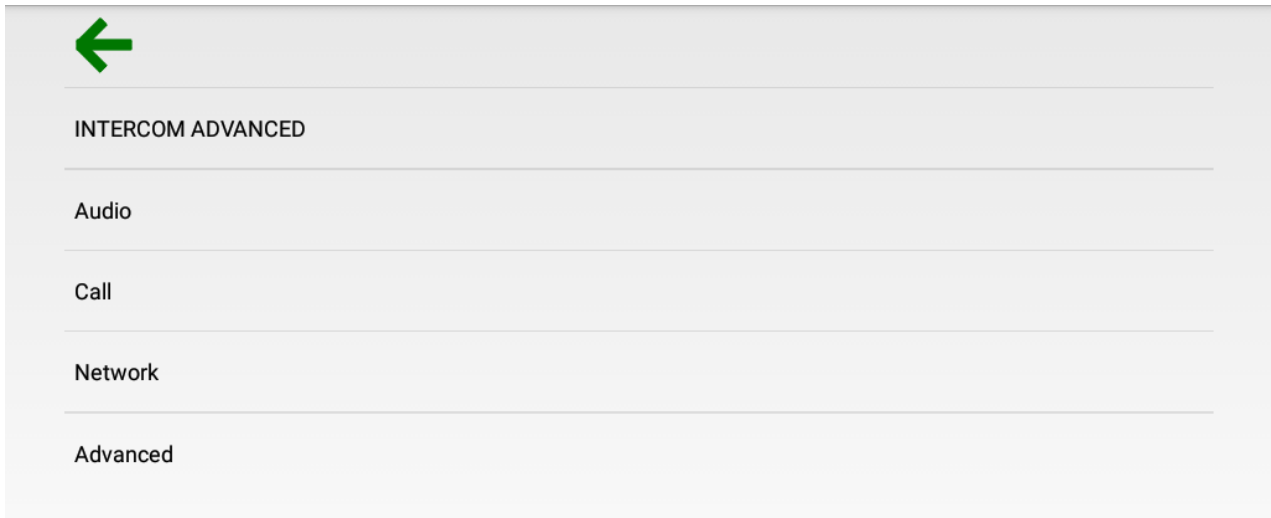
Picture 2-8 Settings screen

It contains items for modifying all the modules: IP PHONE, INTERCOM, HOME AUTOMATION, ACCESS CONTROL, ENERGY MANAGEMENT, VIDEO SURVEILLANCE, BOOKING and INFORMATION. Each of these items contains check boxes for enable/disable of a certain option and URL links by which user can access certain parts of the module. The example is shown for the INFORMATION module in Picture 2-9



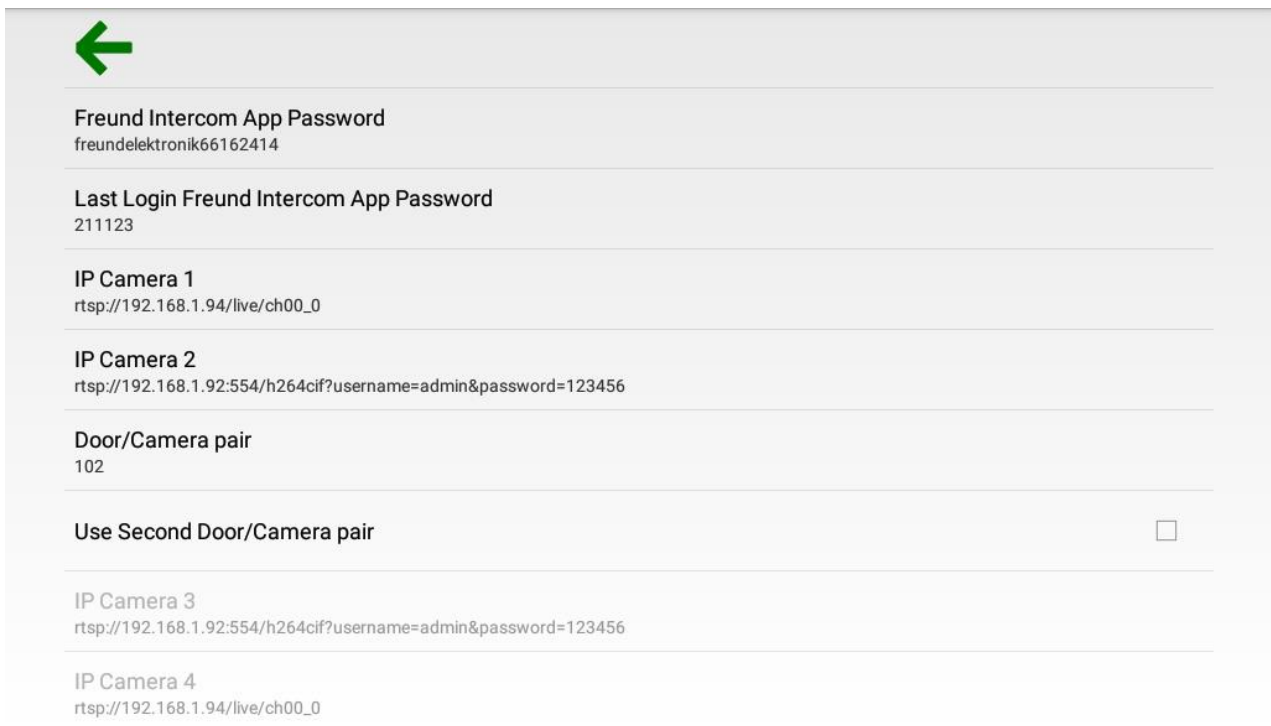
Picture 2-9 INFORMATION module options.

These are the options you get for choosing the INTERCOM module (Picture 2-10)



Picture 2-10 Intercom MODULE options.

INTERCOM ADVANCED screen contains parameters substantial for Intercom functionality.



Picture 2-11 INTERCOM ADVANCED options.

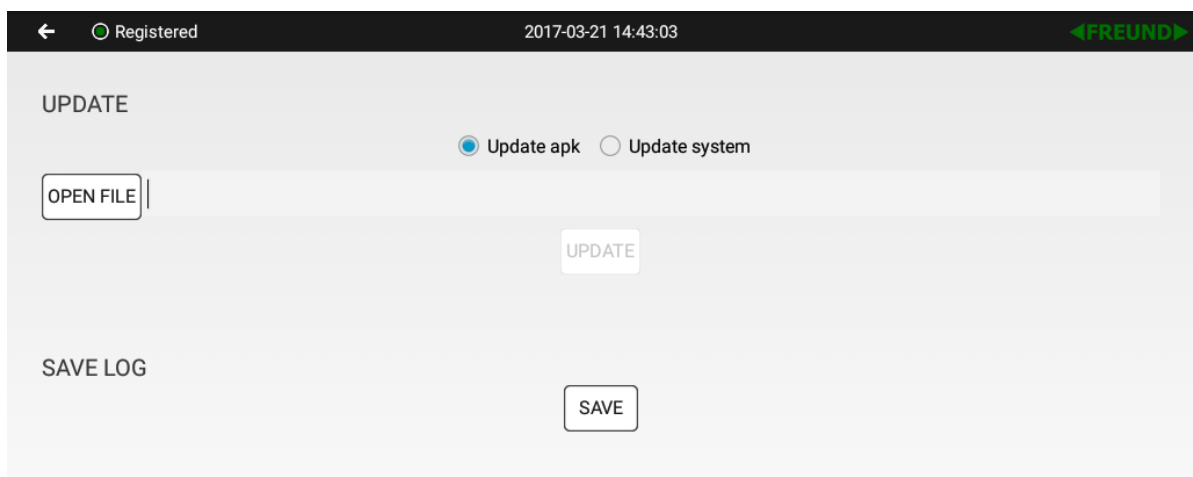
3. Testing video stream

For testing the video stream, it is enough to select the HOME button (FREUND logo) and then choose the INTERCOM module from Picture 2-6 if needed. Video stream from IP Camera 1 and 2 (Picture 2-11) will be shown. For showing other two pairs of cameras, “Use Second Door/Camera Pair” should be selected in Picture 2-11.

4. Updating Freund Intercom App

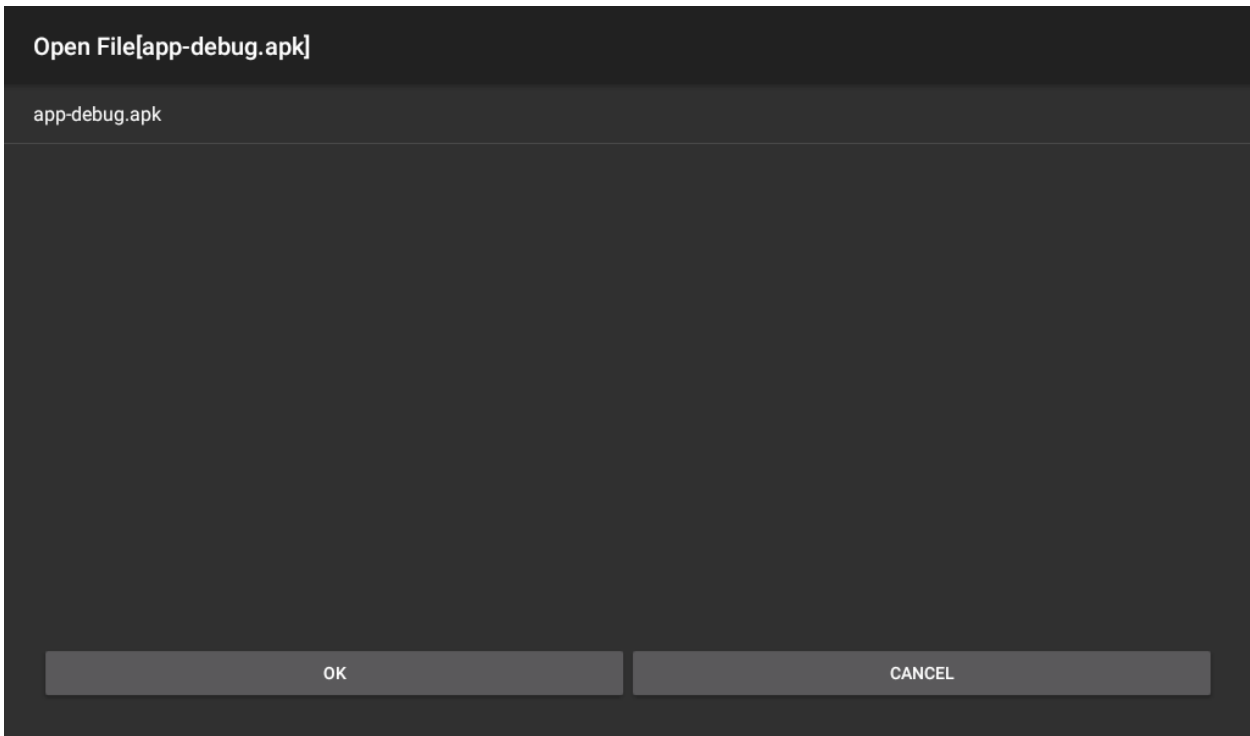
For updating Freund Intercom App, new apk file should be uploaded to the SD card. After the SD card had been inserted to the display, the device should be restarted. Then, these steps should be followed.

1. Select the UPDATE option from the MENU (Picture 2-8)
2. Choose “Update apk” and then click the OPEN FILE button from the screen below (Picture 2-12)

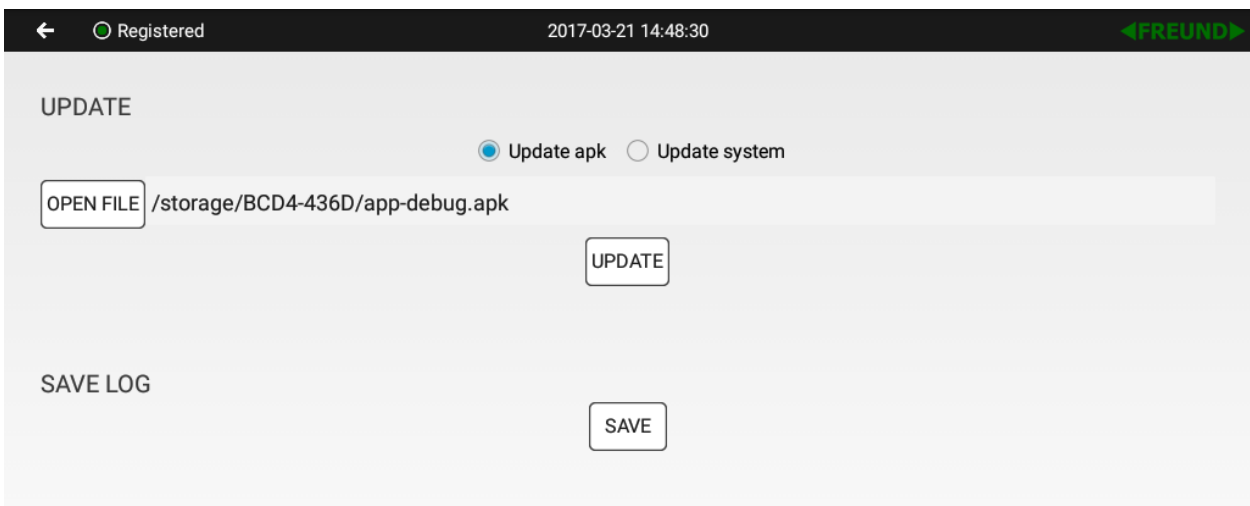


Picture 2-12. UPDATE options.

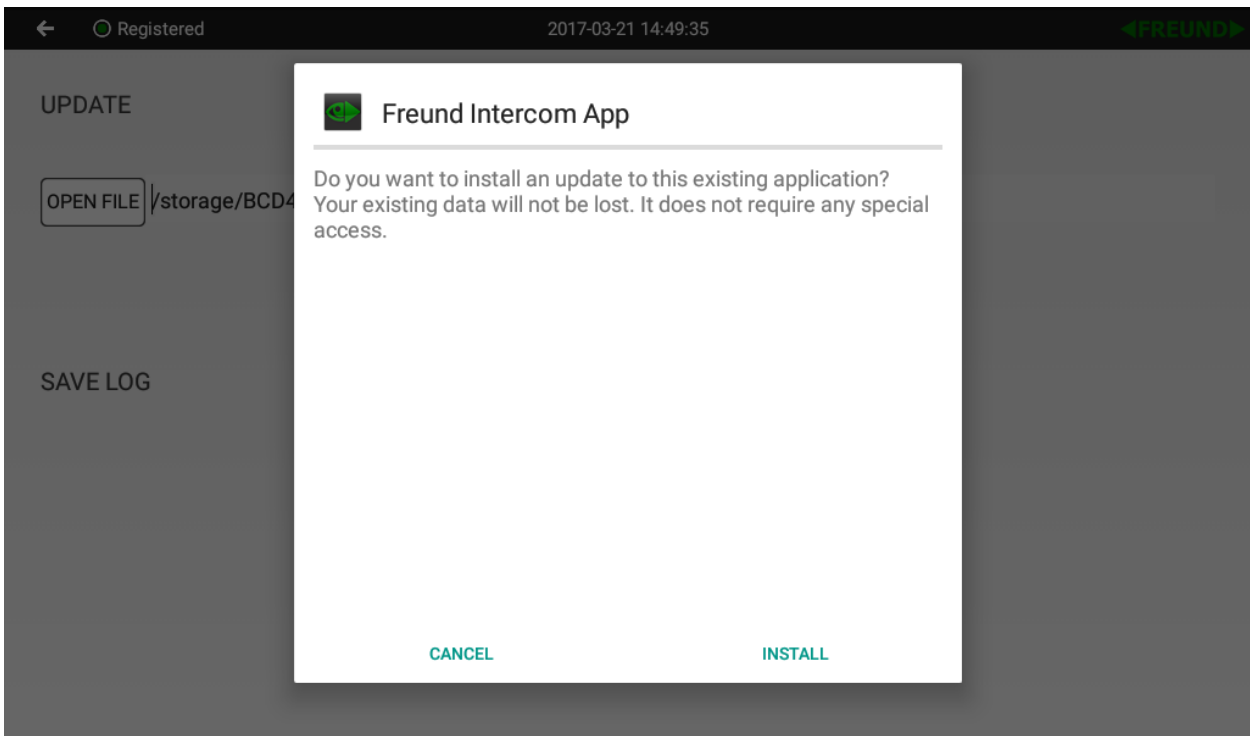
3. Choose the desired APK file and confirm it by clicking OK (Picture 2-13)
4. The UPDATE button from Picture 2-12 will be enabled and the path to the APK file will be shown in OPEN FILE box. Click the UPDATE button (Picture 2-14)
5. Screen with query for installing the new update of application will display (Picture 2.15).
6. The installation process is shown in Picture 2-16. After it is finished, restart the device.



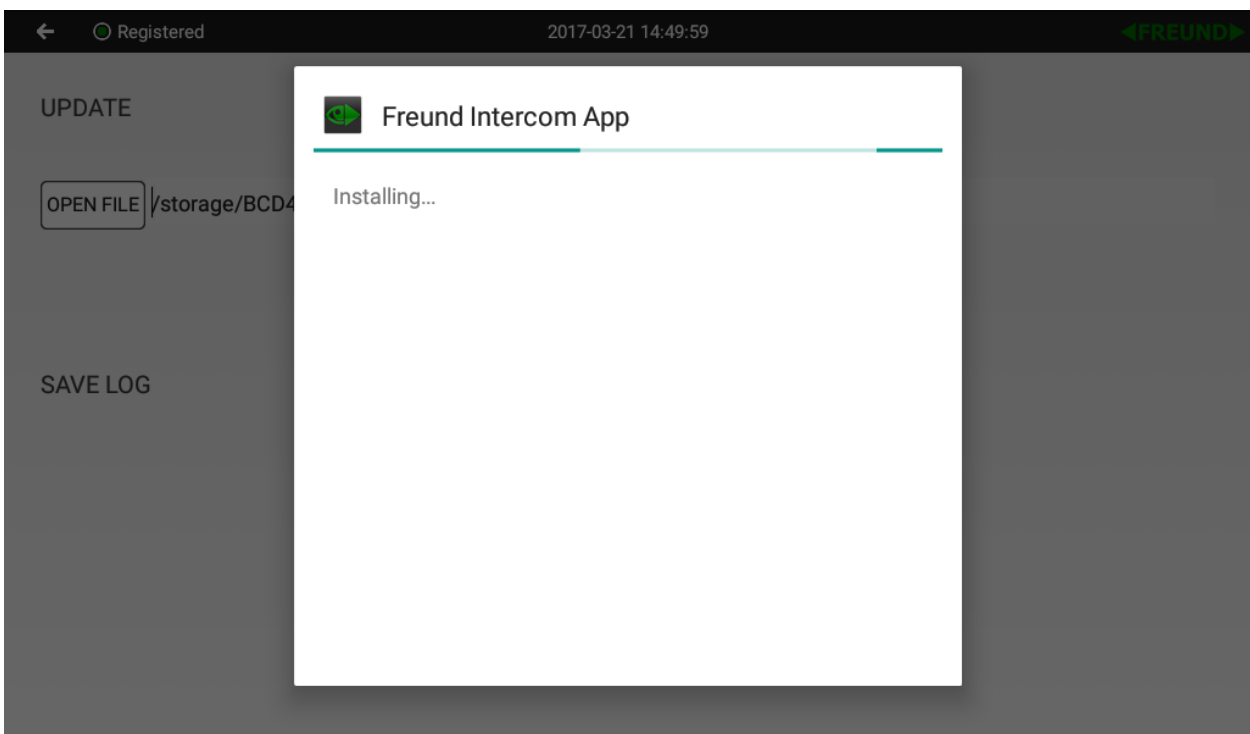
Picture 2-13. Selecting the APK file.



Picture 2-14. Everything is ready for update process.



Picture 2-15. Confirming the installation of the new update.

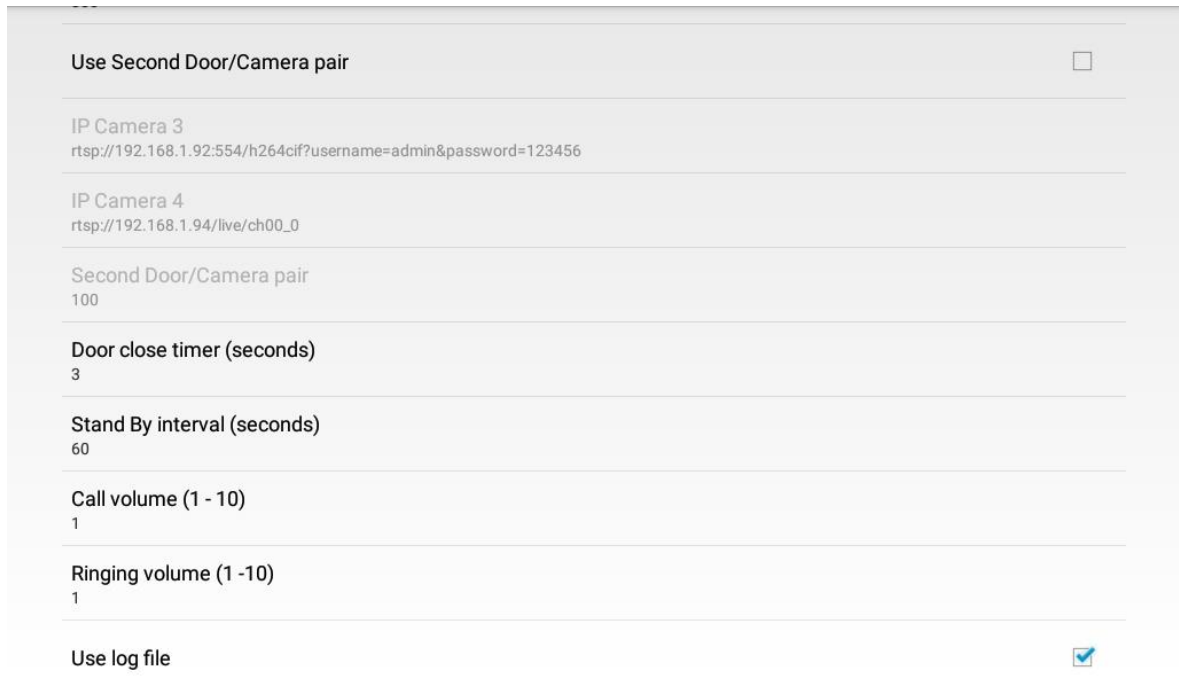


Picture 2-16 Installation process.

5. Downloading Log file

For downloading the log file SD card is required. Insert the SD card into the display and restart the display. Then follow these steps:

1. Select INTERCOM ADVANCED from Picture 2-10 and then select the check box “**Use log file**” (Picture 2-17).

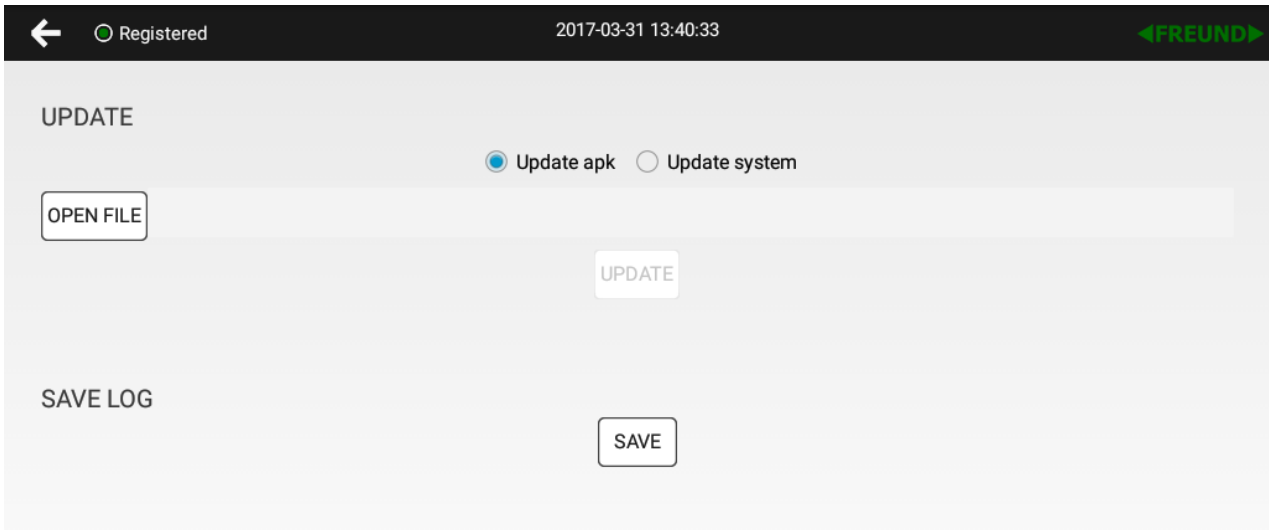


The screenshot shows a settings menu with the following items:

- Use Second Door/Camera pair
- IP Camera 3
rtsp://192.168.1.92:554/h264cif?username=admin&password=123456
- IP Camera 4
rtsp://192.168.1.94/live/ch00_0
- Second Door/Camera pair
100
- Door close timer (seconds)
3
- Stand By interval (seconds)
60
- Call volume (1 - 10)
1
- Ringling volume (1 -10)
1
- Use log file

Picture 2-17. Use log file check box under INTERCOM ADVANCED..

3. Select the UPDATE option from MENU in Picture 2-8.
4. In the lower part of the screen click the SAVE button under SAVE LOG. log file will be copied to the SD card (Picture 2-18).
5. Freund Intercom App will keep the option “Use log file” enabled for 24 hours unless it is turned off by the user.



Picture 2-18. Saving the LOG file to the SD card.