

Operation User Manual

BEWARD Intercom for OS Android

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Chapter 1. BEWARD Intercom Overview

1.1. Description

The present User Manual contains information on how to install and set the BEWARD Intercom software which is developed for controlling BEWARD IP devices such as IP video door stations and IP cameras remotely, using mobile devices based on OS Android.

IP Video Door Station is a device which combines modern network and multimedia technologies. It allows not only controlling the access to some territory or building but also provides video surveillance functions. The call from the *Guest* is sent from the door station to the *Client's* mobile device with the installed application. Several Clients can be connected to one door station.

Guest is a person who presses the call button on the door station installed outside.

Client is a person who controls the door station using a mobile device.

IP camera is a digital video camera which can send a video stream via the IP protocol supported Ethernet network. IP cameras are used for purposes of video surveillance of different indoor and outdoor areas and territories.

1.2. Functions

- Playback of video and audio streams from the IP device;
- Two-way audio (for the door station only);
- Electronic motorized lock control (for the door station only);
- Control of the devices, such as garage door openers, light switches, alarm systems etc., connected to the door station;
- Video image parameters setting (for the door station only);
- Multiaccessible user operation with the IP device;
- Application parameters setting.

1.3. System requirements

It is recommended that your mobile device meets the following minimal requirements:

Component	Requirements
OS	Android 4.0 or later
CPU	1.0 GHz or higher
RAM	512 MB or more
Network	wireless connection

1.4. Start using

You can download the application right from the Google Play online store. Type “beward intercom” in the search bar for that purpose.

1.4.1. Operation with door station

NOTE!

It is recommended to set door station output volume to 8 (see IP Video Door Station Operation User Manual, chapter "Config: Audio Settings") if using mobile applications.

When the guest presses the call button on the door station, the client receives the call on his mobile device and then he can see the video image from the door station's IP camera (*Pic. 1.1*).



Pic. 1.1

If the call button of the door station is pressed at the moment when the application window is not displayed, then you will see a call notification which contains the name of the calling door station. Press the notification to display the application. Press the **[Talk]** button to response to the incoming call. The “Speak” note will appear in the left upper corner of the screen. In the Talk mode the Guest can hear you. Press the **[Talk]** button again to disable the Talk mode.

Press the **[Open]** button to open the lock of the door. If 2 or 3 doors are selected in the door station settings menu, then a button per door appears after pressing. Press door's icon to open it.

NOTE

You can connect to the door station devices of different types. In addition to the doors (door locks) it can be garage door openers, light switches, alarm systems and so on. You can connect up to 3 different devices (in case of the door station with a 3-channel controller) including door locks.

NOTE

To stay online with the door station all the time you need set up wireless connection parameters on your mobile device. Go to the additional wireless connection parameters menu and select *stay online in the sleep mode*.

1.4.2. Operation with camera

The BEWARD Intercom software provides watching video from the BEWARD IP cameras. In this case the application window has the same look as when you operate with the door station, but not containing control buttons.

1.4.3. Turning on/off the sound

The BEWARD Intercom software provides an option of turning on/off the sound from connected door stations and cameras.

By default the sound is turned off.

Push the red loudspeaker icon in the right lower corner of the video image window to turn on/off the sound (*Pic. 1.1*).

NOTE!

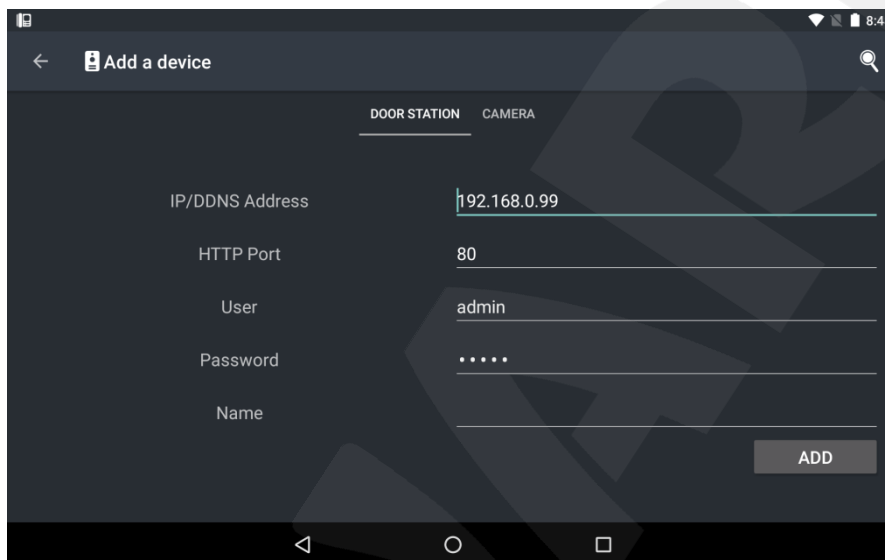
In the full duplex Talk mode (see the Chapter [4](#)), in case the sound from a door station is turned off, it is automatically turned on when you answer the incoming call and turned off when you finish the talk by pressing the **[Talk]** button the second time.

In the half-duplex Talk mode, in case the sound from a door station is turned off, it is automatically turned on when you answer the incoming call and it is remained enabled after you finish the talk.

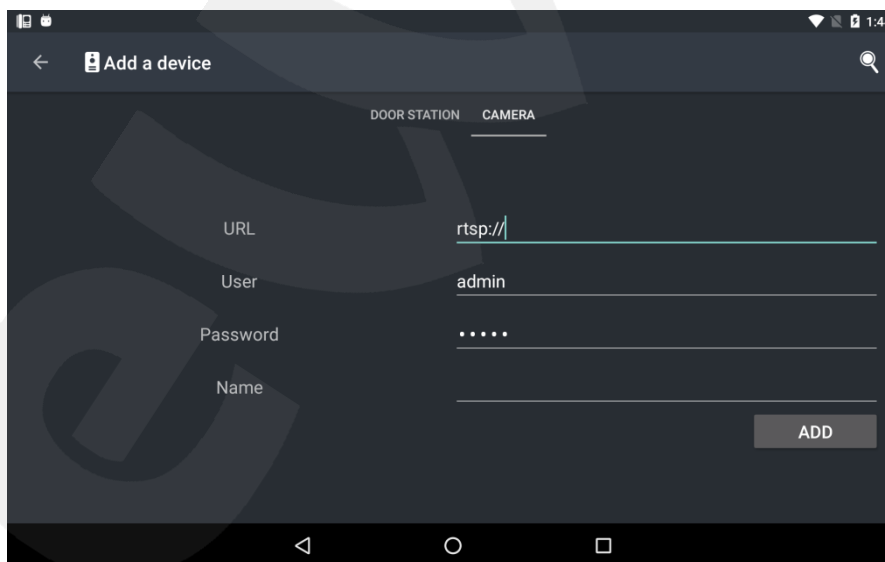
Chapter 2. Application and Device

2.1. Adding IP device to application

When you first run the application you see the “Add a device” window. Choose what kind of IP-device, a door station or a camera, you want to add. If you know the connection parameters of the device you can add it manually by filling the fields and pressing the **[Add]** button. The forms for adding a door station and a camera are shown on the *pictures 2.1* and *2.2*.

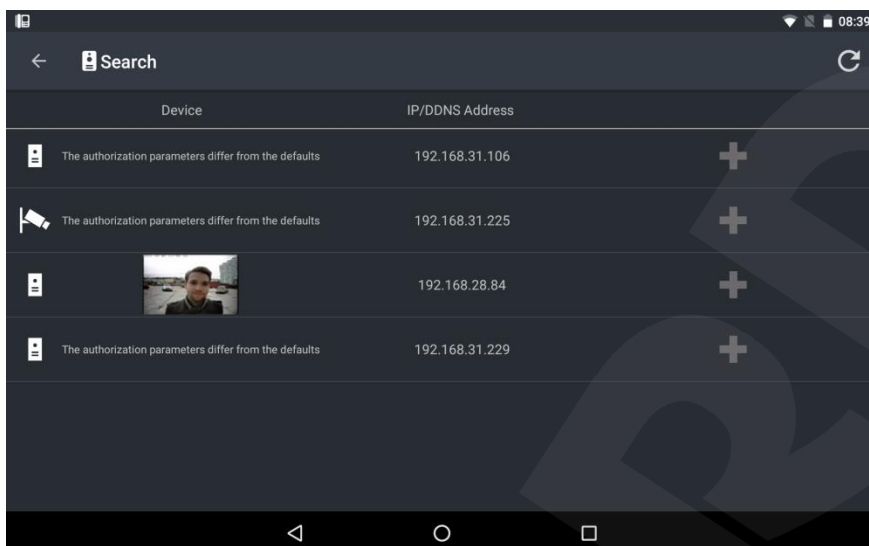
The screenshot shows the 'Add a device' window with the 'DOOR STATION' tab selected. The form contains the following fields: 'IP/DDNS Address' with the value '192.168.0.99', 'HTTP Port' with the value '80', 'User' with the value 'admin', 'Password' with masked characters '.....', and an empty 'Name' field. An 'ADD' button is located at the bottom right of the form.

Pic. 2.1

The screenshot shows the 'Add a device' window with the 'CAMERA' tab selected. The form contains the following fields: 'URL' with the value 'rtsp://', 'User' with the value 'admin', 'Password' with masked characters '.....', and an empty 'Name' field. An 'ADD' button is located at the bottom right of the form.

Pic. 2.2

You can also find all the devices connected to the network by pressing the  **[Search]** button. The results of the search are listed as follows:



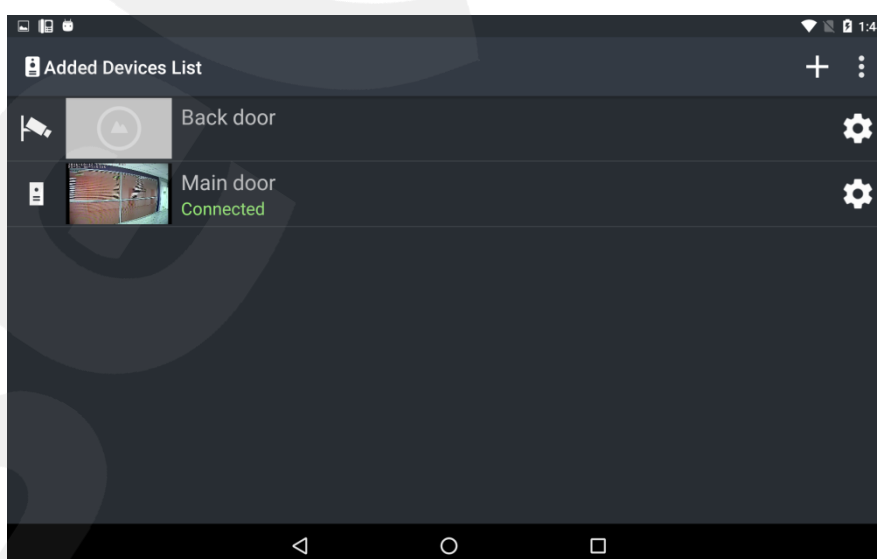
Pic. 2.3

Choose the device you need. Door stations and cameras are marked in the list with the icons situated near the left border of the window. The connection parameters of the door station are set automatically as you choose it in the list. Only the “Name” field (Pic. 2.1) needs to be filled up manually. If you leave it empty, door station’s IP address is used by default as a name.

All the devices added to the application you can find in the list below (Pic. 2.4). Use that list when you want to choose another device for control.

NOTE

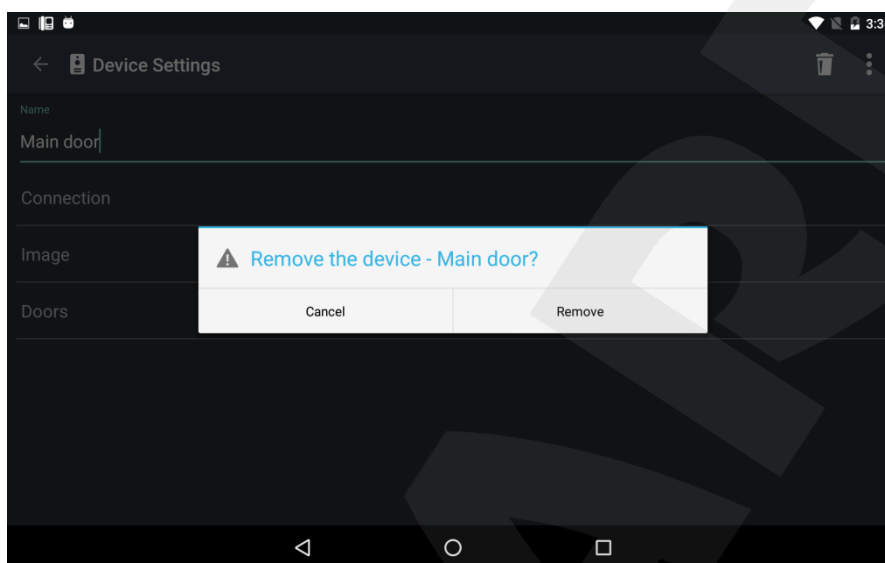
The application will recommend you to change the password because of the reasons of security when adding a door station with default settings.



Pic. 2.4

2.2. Removing IP device from application

To remove the device from the application, go to the “Device Settings” window (Chapter 3) and press the button . You will need to confirm the removing in the following pop-up window:



Pic. 2.5

Chapter 3. Device Settings

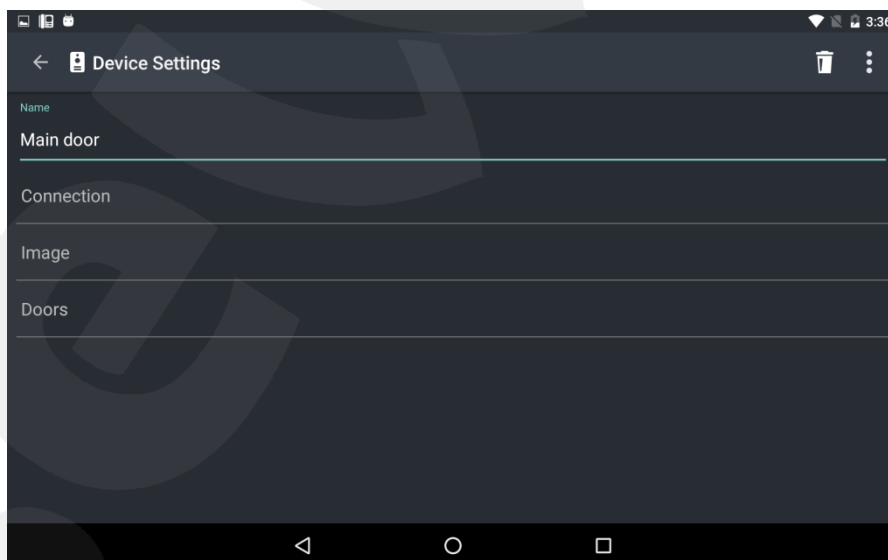
You can open the “Device Settings” window from the main menu pressing the button  in the upper right corner of the screen (Pic. 3.1), or from the added devices list pressing the button  (Pic. 2.4).



Pic. 3.1

3.1. Door station settings

In this menu you can change a door station name, connection settings, image parameters and settings of the devices connected to the door station.

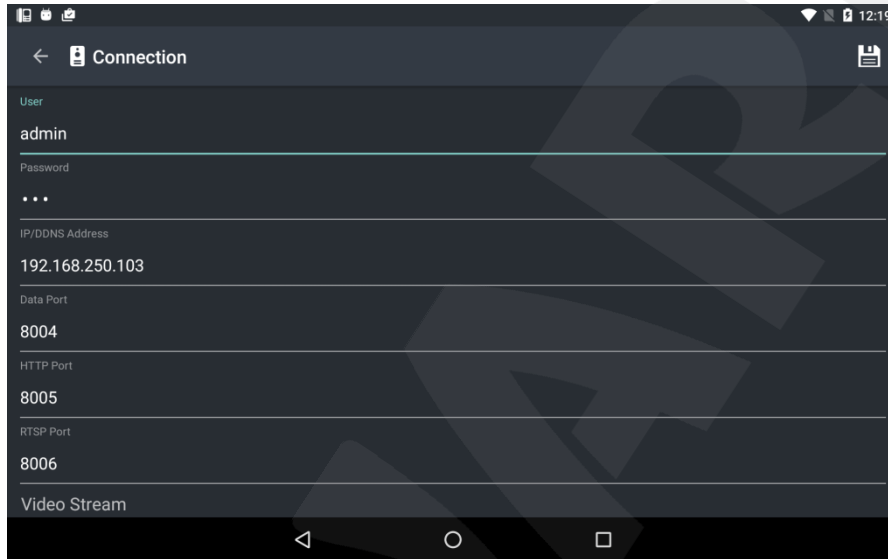


Pic. 3.2

3.1.1. “Connection” tab

There are the following door station connection parameters on the “Connection” tab: user name and password, IP address, data port, HTTP port and RTSP port. You can change them as well as the type of a video stream. A *sub stream* provides video quality lower than a *main stream* and it is used when wireless connection characteristics are not high enough.

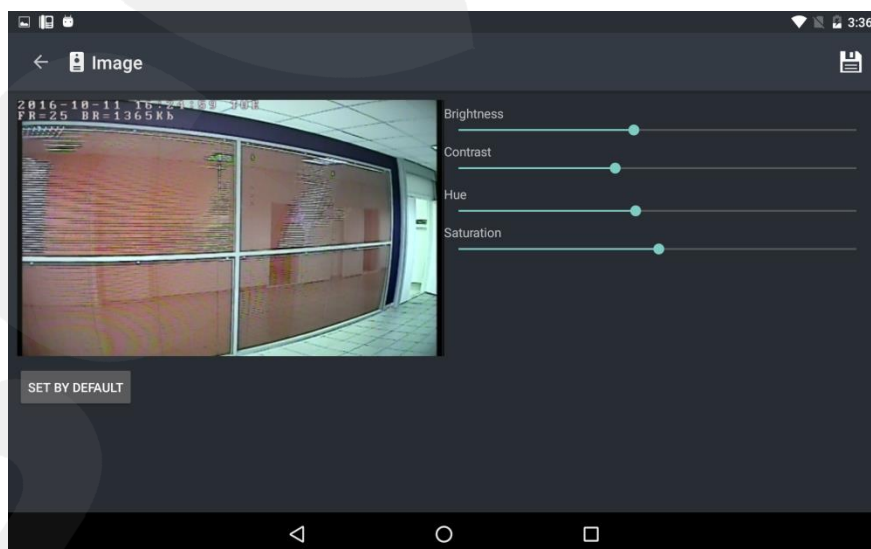
Press the button  to save the changes.



Pic. 3.3

3.1.2. “Image” tab

Here you can adjust brightness, contrast, hue and saturation of the video image or set the parameters by default. Press the button  to save the changes.



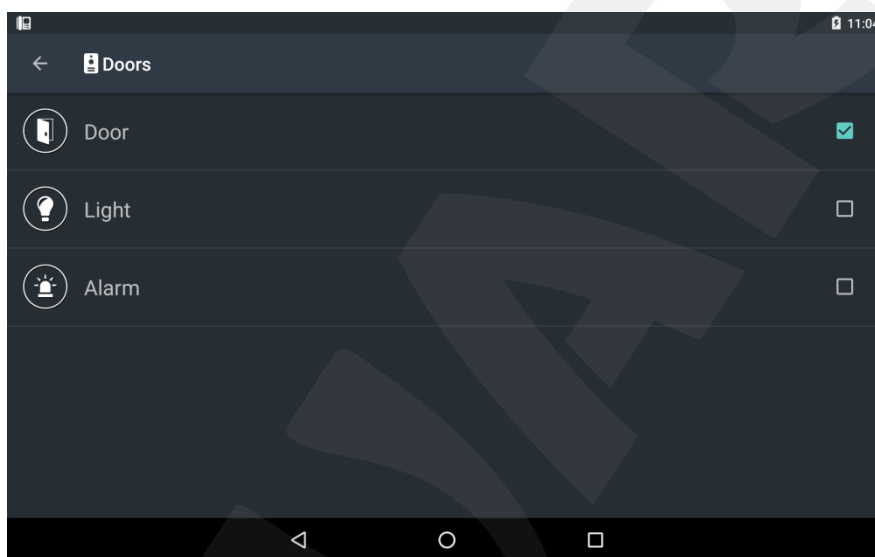
Pic. 3.4

3.1.3. “Doors” tab

Here you can select the doors (or other devices connected to the door station) which you want to use.

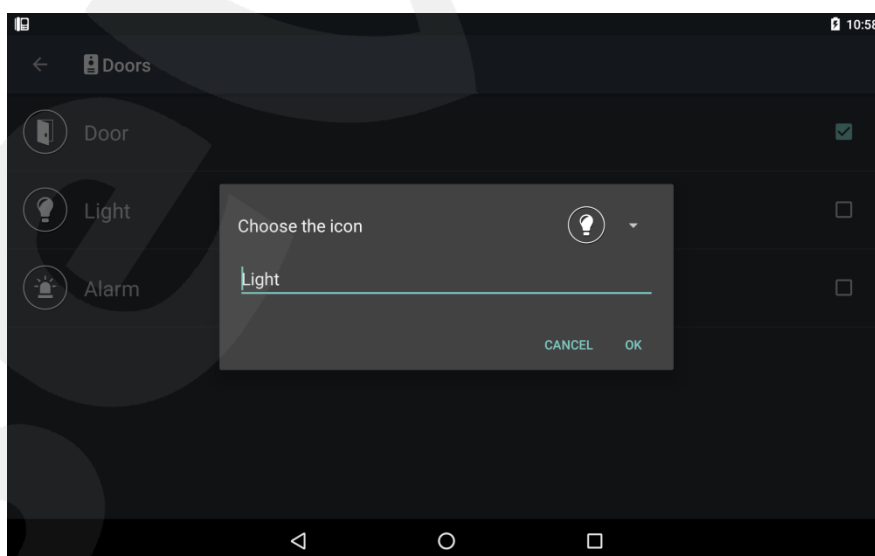
NOTE

You can connect to the door station devices of different types. In addition to the doors (door locks) it can be garage door openers, light switches, alarm systems and so on. You can connect up to 3 different devices (in case of the door station with a 3-channel controller) including door locks.



Pic. 3.5

Choose any device from the list to change its name or icon. The following window will appear on the screen (Pic. 3.6).

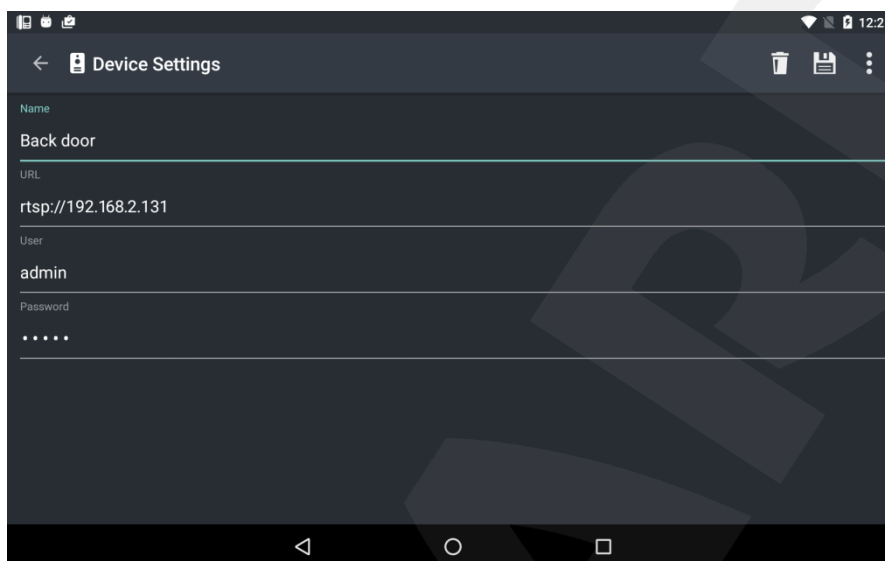


Pic. 3.6

3.2. Camera settings

The following camera parameters are available: (camera) name, URL, user name and password.

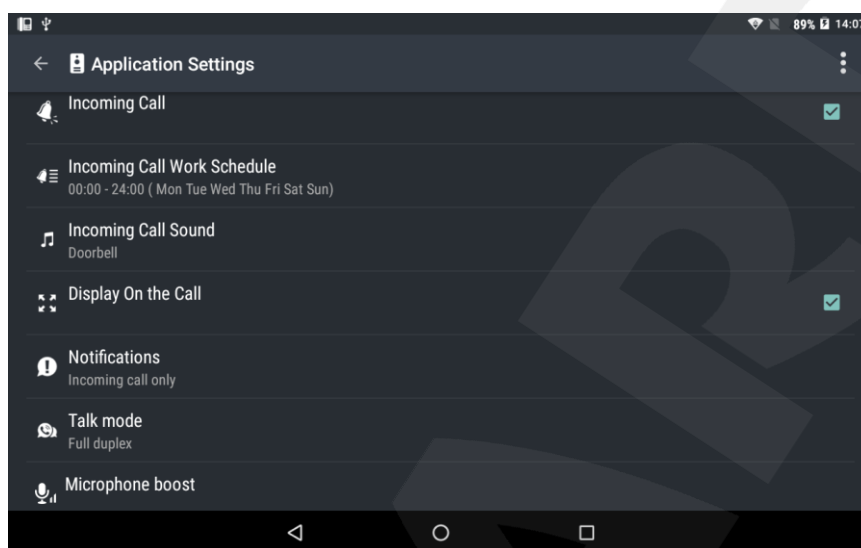
Change the parameters if necessary and then press the button  to save the changes.



Pic. 3.7

Chapter 4. Application Settings

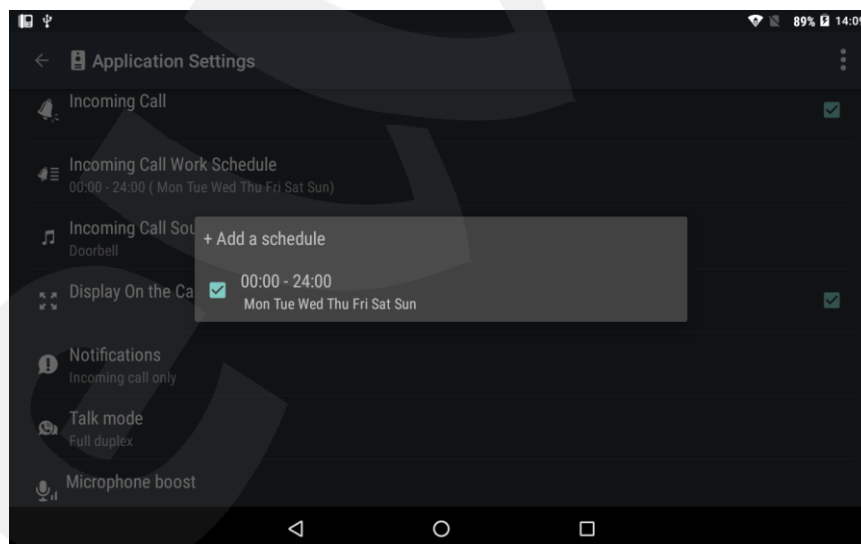
You can open the “Application Settings” window (Pic. 4.1) from the main menu pressing the button  in the upper right corner of the screen (Pic. 3.1).



Pic. 4.1

Incoming Call: turn on this option to initiate a sound notification when the guest presses the call button.

Incoming Call Work Schedule: set the time when the sound notification option is enabled (for example, to avoid being disturbed at night) (Pic. 4.2).



Pic. 4.2

Incoming Call Sound: you can use some audio file instead of the default one.

Display On the Call: turn on this option to display the application above other applications started on your mobile device when the guest presses the call button.

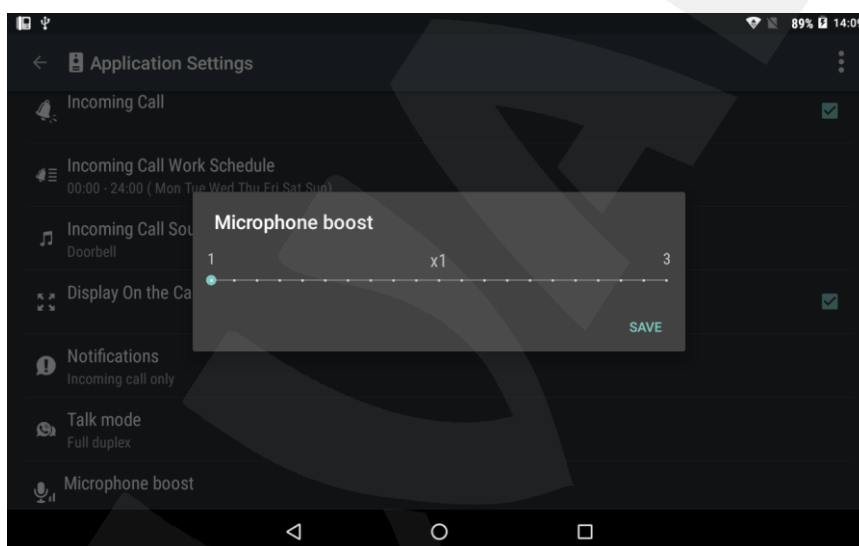
Notifications: choose, what notifications do you prefer to receive. Two types are available: “All notifications” (about incoming calls and unavailable devices founding), “Incoming calls only”.

Talk Mode: choose what audio transmission method you want to use in the Talk mode, a *full duplex* or a *half-duplex*. By default a full duplex method is used on Android devices which support a hardware echo cancellation and a half-duplex method is used on the devices which don't support a hardware echo cancellation.

NOTE!

An echo may appear when using a full duplex method on a device which doesn't support a hardware echo cancellation.

Microphone boost: this option allows you to increase the signal from your mobile device in case your interlocutor (the Guest) can't hear you (the Client). You can choose the values from "x1" (without increasing) to "x3" (maximal degree of increasing) (Pic. 4.3).



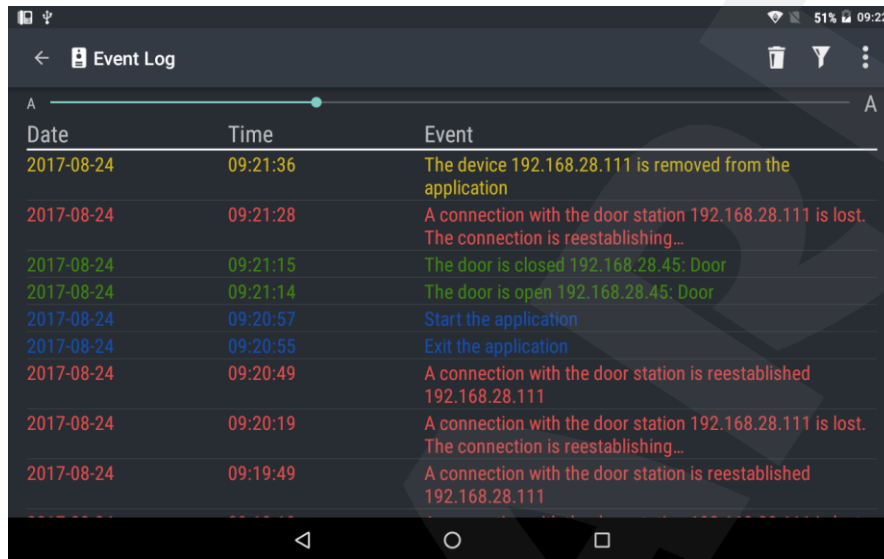
Pic. 4.3

NOTE!

Some defects can appear in the sound from the door station speaker when increasing the signal to maximal degree.

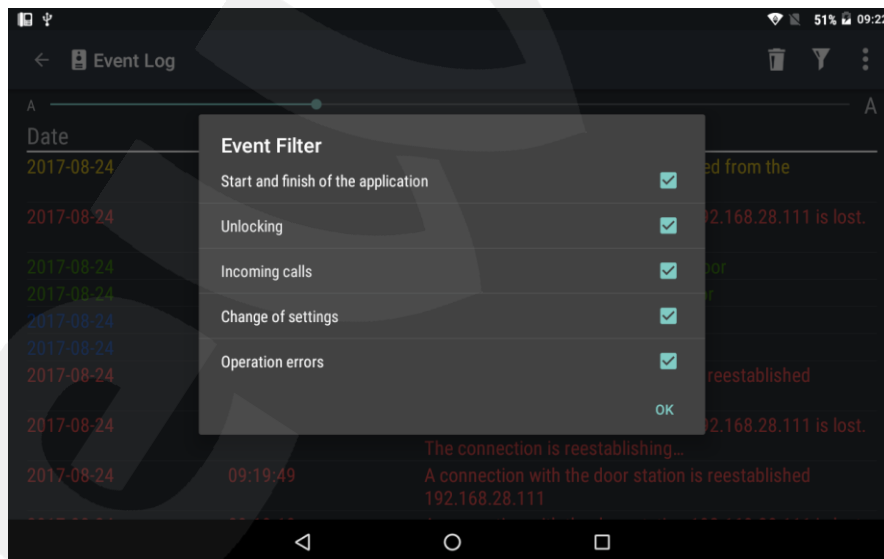
Chapter 5. Event Log

You can open the “Event Log” window (Pic. 5.1) from the main menu pressing the button  in the upper right corner of the screen (Pic. 3.1).



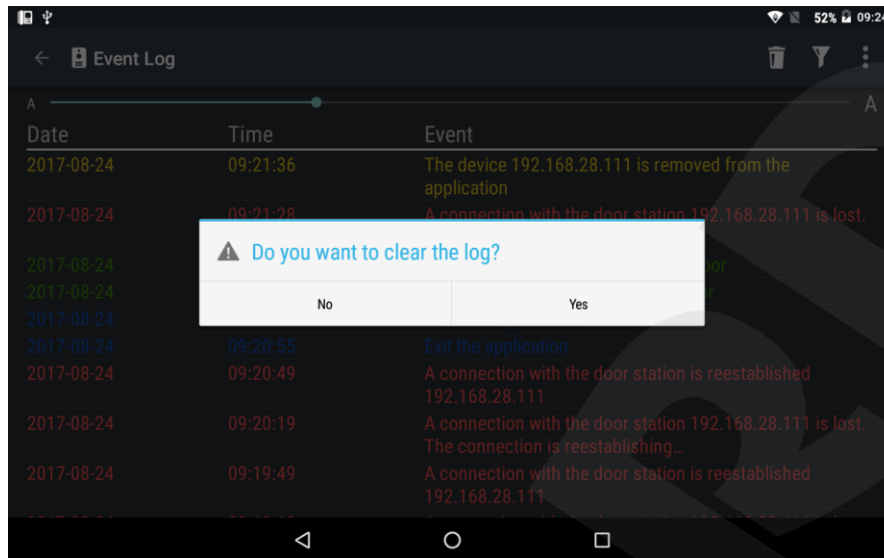
Pic. 5.1

To make work with the event log more comfortable you can change a font size and filter (button ) the events according to their type (Pic. 5.2).



Pic. 5.2

To clear the log, press the button . You will need to confirm that action in the following pop-up window:



Pic. 5.3

The main menu (Pic. 3.1) also contains two items: “About” and “Exit”. The “About” page informs you of the current application version.

The application will be shut down and no incoming calls will be received as you will choose “Exit”.