



Version Number: 2.16.19

Applicable Model: W620W

Date: 2025.9.12

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1 Revision History

No.	Version	Release Date	Remarks
1	2.16.10	2025.8.28	Initial Release
2	2.16.19	2025.9.12	Supports video calls and one-click to open door

2 Release Version 2.16.19

Model	Software Version Number	Remarks
W620W	2.16.19	

2.1 New Features

1. Add the feature of video preview and video call.
2. Add the feature of one-click to open door.
3. Add the feature to capture Bluetooth packets and export debug logs with one click from the web interface.

2.2 Optimizations

1. Optimize the default softkeys for standby, ringing, call, and other interfaces; place softkeys for high-frequency operations first to enhance interaction efficiency.
2. Optimize the default input method for wireless passwords to 2aB, improving the convenience of character combination input.
3. Optimize the refresh speed of the network signal icon.
4. Optimize the wireless roaming mechanism and fix the occasional issue of network disconnection prompts followed by automatic reconnection during standby roaming in specific environments.
5. Optimize the issue of call timeout when selecting a history record in the

dialing interface.

2.3 Bug Fix

1. Fix the issue that the network is still saved in the known networks list occasionally after an incorrect password is entered when connecting to a specific wireless network for the first time.
2. Fix the issue that the device occasionally freezes abnormally under specific conditions when accessing the remote phonebook.
3. Fix the issue that the encryption type options displayed on the handset are not synchronized with those on the web interface when adding a wireless network via the handset.

2.4 Known Issues

1. When W620W is deployed to FDMCS, the device diagnostic function of FDMCS cannot be used.
2. When configuring the XML Browser function key on the W620W web interface, parameter values cannot be entered directly. They must be configured by importing a configuration file.

2.5 New Feature Description

1. Add the feature of video preview and video call.

Function Description: W620W supports video preview and video calls with a maximum video resolution of 4CIF, and the default value is CIF.

1.1. Video review

When the video preview function is enabled, the W620W can preview the caller's video content before answering when another device initiates a video call to it.

Setting Method:

- Video preview for SIP lines: Access W620W device's web interface >> Line >> SIP >> Advanced Settings, check to Enable Preview, and select the Preview Mode.

The screenshot shows the LINKVIL W620W web interface. The top navigation bar includes tabs for SIP, SIP Hotspot, Dial Plan, Action Plan, Basic Settings, and RTCP-XR. The left sidebar shows a menu with options like System, Network, Line, Phone settings, Phonebook, Call logs, Function Key, Application, and Security. The main content area is titled 'SIP' and contains various configuration options. A red box highlights the 'Enable Preview' checkbox (which is checked) and the 'Preview Mode' dropdown menu (set to 'Preview2xx').

- Setting up video preview for IP calls: Access W620W device's web interface >> Line >> Basic Settings >> SIP P2P Settings, check to Enable Preview, and select the Preview Mode.

The screenshot shows the LINKVIL W620W web interface. At the top, there's a navigation bar with tabs: SIP, SIP Hotspot, Dial Plan, Action Plan, Basic Settings, and RTCP-XR. The 'SIP' tab is selected. On the left, there's a sidebar with categories: System, Network, Line, Phone settings, Phonebook, Call logs, Function Key, Application, and Security. The 'Line' category is expanded, showing 'SIP P2P Settings'. In this section, the 'Enable Preview' checkbox is checked, and the 'Preview Mode' dropdown menu is open, showing 'Preview2xx' as the selected option. Other settings visible include 'Server Address', 'Server Port' (3478), 'Binding Period' (50 seconds), 'SIP Waiting Time' (800 milliseconds), 'Enable Auto Answering' (unchecked), 'Auto Answering Delay' (30 seconds), 'DTMF Type' (RFC2833), 'DTMF SIP INFO Mode' (Send 10/11), 'Use VPN' (checked), 'Call-ID Format' (Sid@Sip), and 'Display name'.

Preview Mode:

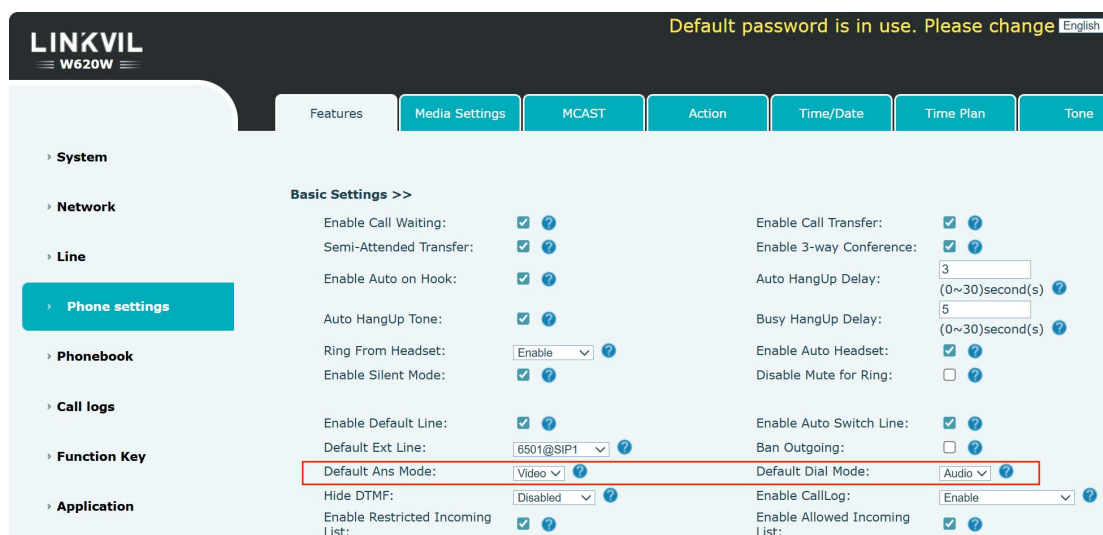
- **Preview2xx:** Default value. Preview is performed by replying with a 2XX message. During preview, the other end displays the call timing interface, while the local end displays the video preview interface, and the voice call is not connected.
- **Preview18x:** Preview is performed via 18X messages and requires SIP server support.

1.2. Video Call

After setting the value of "Default Ans Mode" / "Default Dial Mode" to "Video", when the device answers a call from or makes a call to a video-enabled device, the video interface of the other party will be displayed after the call is connected.

- **Default Ans Mode:**
 - **Video:** Default value. When the device receives an incoming video call from the other party, it initiates a video call after answering.

- Audio: When the device receives an incoming video call from the other party, it initiates a voice call after answering.
- Default Dial Mode:
 - Video: Call the other party's device in video mode. If the other party's device also answers in video mode, a video call will be initiated after the call is answered.
 - Audio: Default value. Call the other party's device in voice mode, and a voice call will be initiated after the call is answered.



2. Add the feature of one-click to open door.

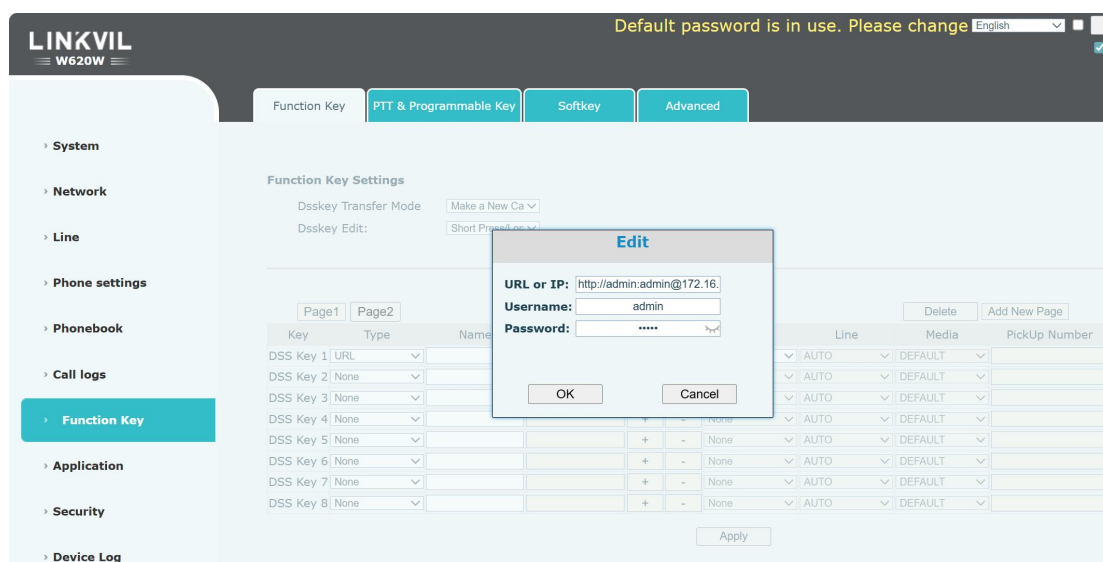
Function Description: The device supports one-touch door opening for Fanvil access control via function keys both in standby mode and during a call.

2.1. Door Opening in Standby Mode

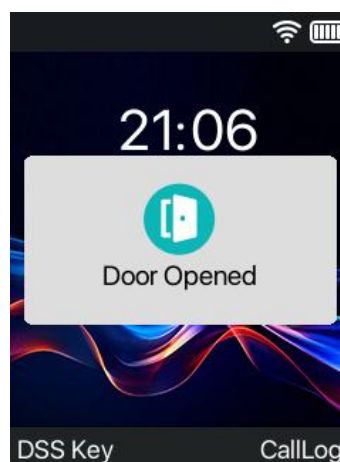
Setting Method: Set the function key type to URL >> Open Door, edit the value of the function key, and save:

- URL or IP: Set the IP address of the access control device.

- Username: Set the username for accessing the access control web interface.
- Password: Set the password for accessing the access control web interface.
- When setting via a configuration file or LCD, the value of the function key can be set to: `http://[Username]:[Password]@[Access Control IP]/cgi-bin/ConfigManApp.com?key=F_LOCK&code=*[Access Control Password]`

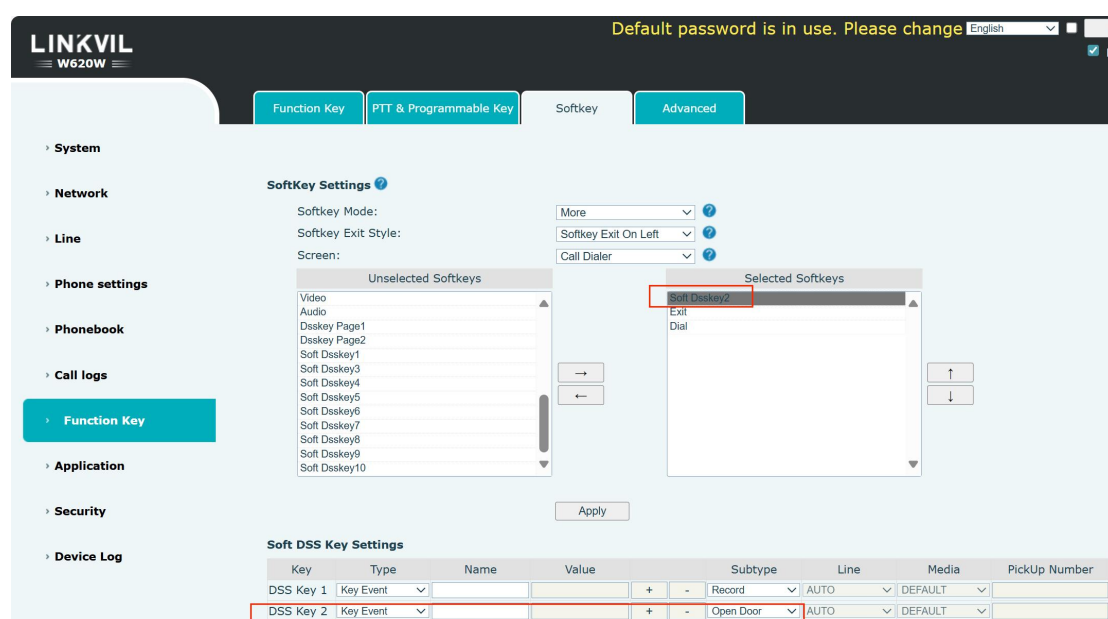


Operation: Press this DSS Key to open the door when in standby/call mode.

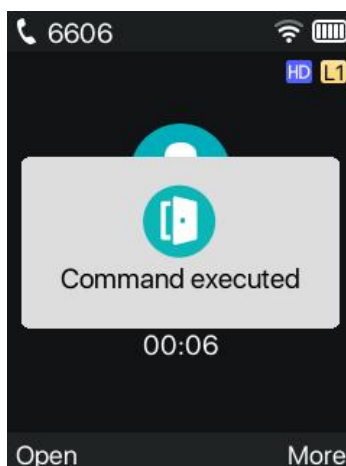
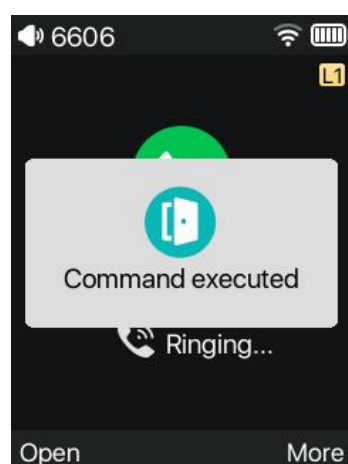


2.2. Door Opening in Standby Mode

Setting Method : Access W620W device web page >> Function Key >> Sofkey, select the display page as "Ringing", "Voice Call" or "Video Call", and move SoftDsskey2 (which has been set as the default Type of Open Door) to the "Selected Softkeys" area on the right.



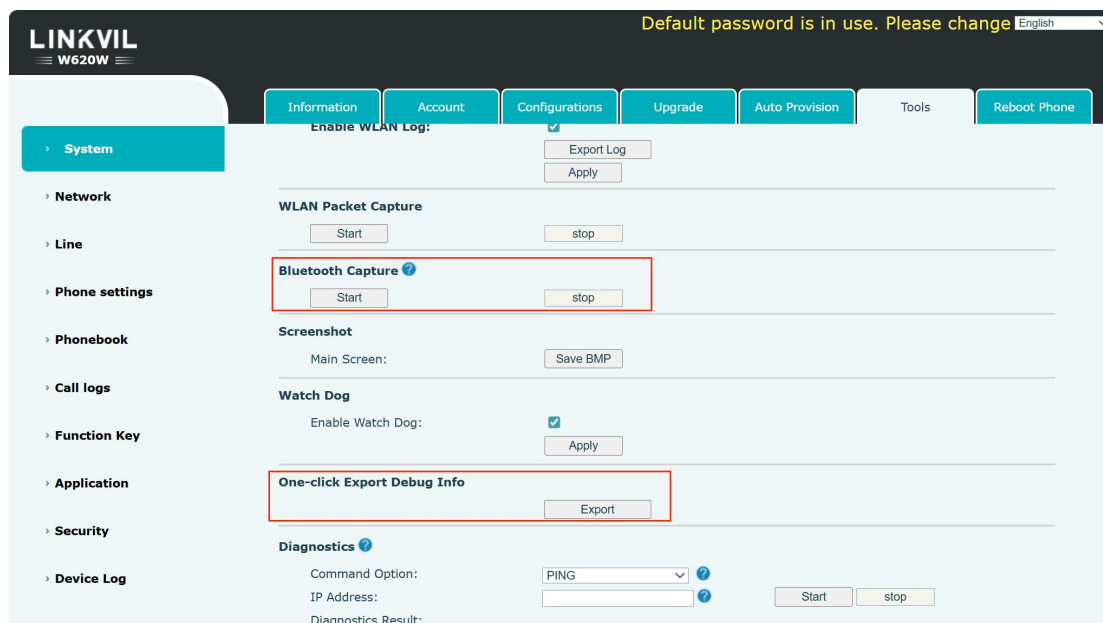
Operation: When there is an incoming call from the Fanvil access control device, press the softkey-Open on the W620W during ringing or a call to open the door with one touch.



3. Bluetooth Capture and One-click Export Debug Info

Feature Description: Bluetooth packet capture and one-click export of debugging information can be performed on the IP web interface.

Setting method: Go to Handset IP Web page >> System >> Tools, where users can perform Bluetooth capture and one-click export of debugging information.

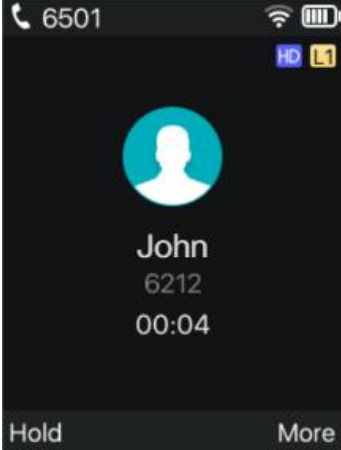


2.6 Optimizations Descriptions

1. Optimize Default Softkeys for Standby, Ringing, Call, and Other Interfaces

Function Description: Optimize the default softkeys for standby, ringing, call, and other interfaces; place softkeys for high-frequency operations first to enhance interaction efficiency.

UI Interface	UI	Default Softkey
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Standby		● DSS Key; CallLog; ● Press OK key to enter menu.
Ringing		● Answer; ● More >> Fwd; Mute; Reject; ● The mute key can be used to mute the ringtone, and the transfer key can be used to forward the call.
Talking		● Hold; ● More >> DSS Key Page1 ; New Call ; Conf; Noise Cancellation; Acoustic Shield; Xfer; Mute; Record; End. ● The transfer key can be used to transfer the call, and the mute key can be used to mute the call.

3 Release 2.16.10

Models	Software Version	Comment
W620W	2.16.10	

3.1 Known Issue

1. There was an occasional abnormal prompt issue of network disconnection and automatic re-connection during standby roaming in specific environments.