

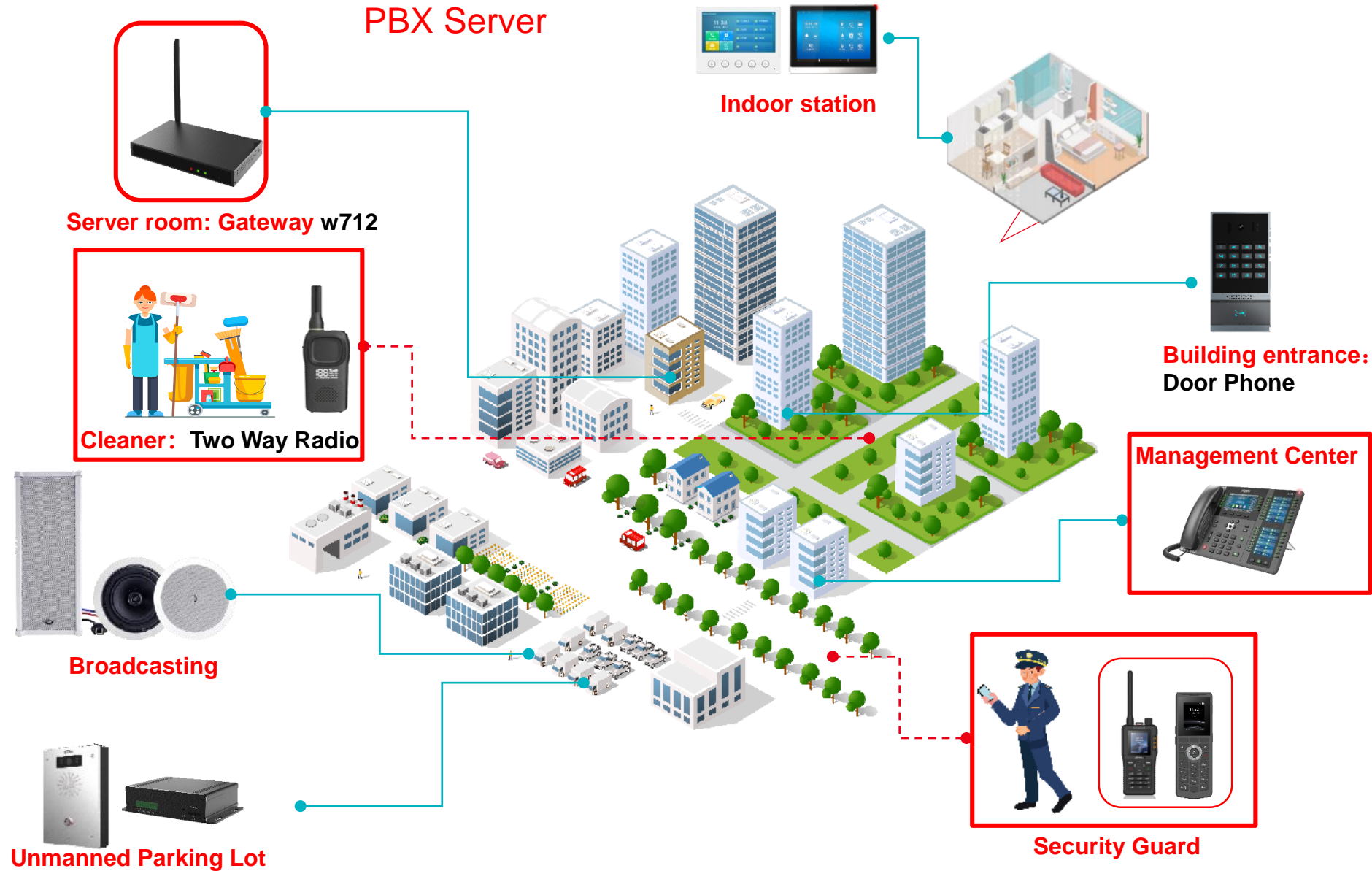
W712 Configuration Instructions

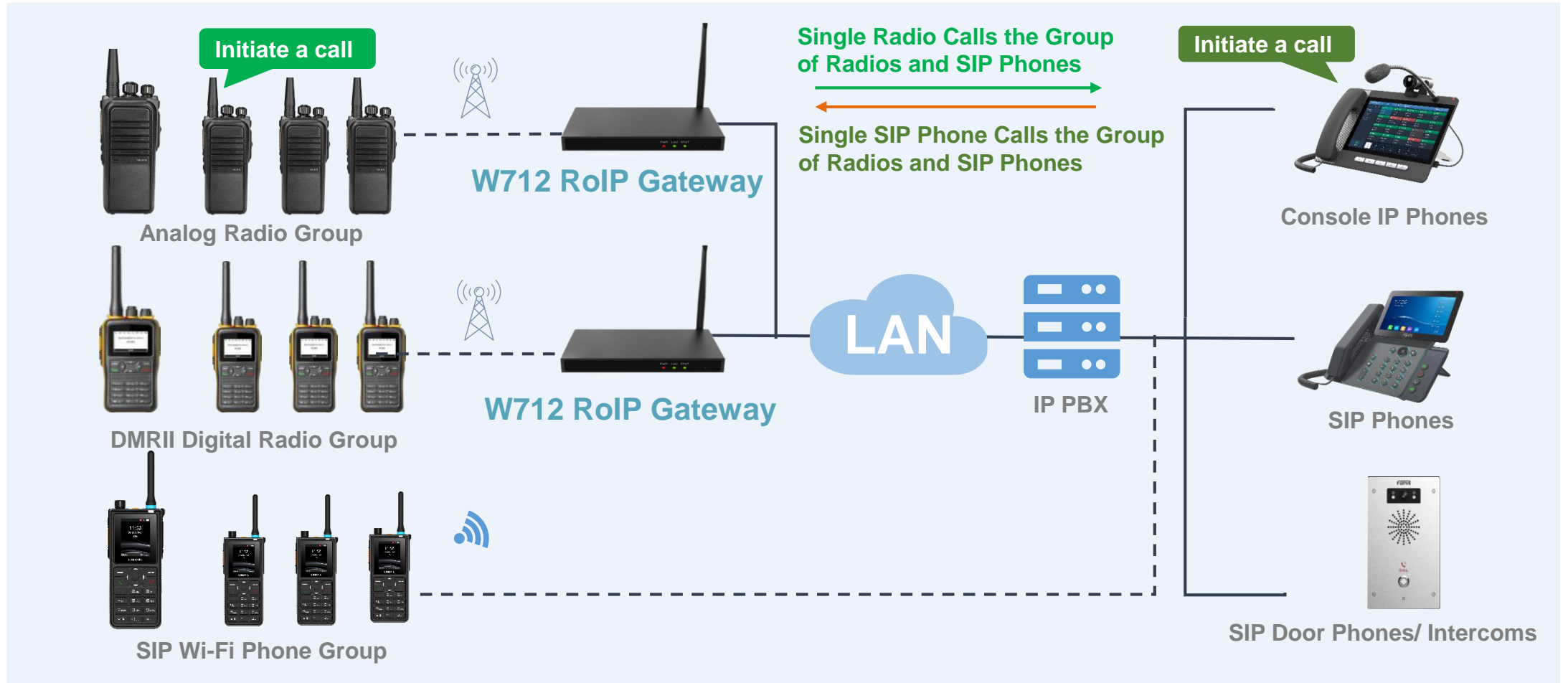
Note: This document only describes the initial configuration and usage of the W712 in main application scenarios. For more details, please check the user manual.

- 1** Diagram for Common Scenarios
- 2** Radio Configuration Information
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Diagram for Common Scenarios





Note: If no PBX server is deployed, the W712 supports P2P communication with other SIP devices

2 Radio Configuration Information

Review Radios Configuration Information



When buying a radio, the manufacturer will configure the corresponding frequency band, and issue the frequency comparison table to us. All we have to do is to assign the frequency band to W712. And then the radio configuration is complete.



Radios

View main information

Example: Baofeng Analog radio frequency band comparison table

Baofeng Model: BF-480(UHF) Requency: 400 - 470MHz						
Channel number	Receiving Frequency	Transmission requency	Recv Sub Tone	Send Sub Tone	Transmitted power	Broadband /narrow-band
1	430.12500	430.12500	67.0	67.0	High	Broadband
2	431.12500	431.12500	67.0	67.0	High	Broadband
3	432.12500	432.12500	67.0	67.0	High	Broadband
4	433.12500	433.12500	67.0	67.0	High	Broadband
5	434.12500	434.12500	67.0	67.0	High	Broadband
6	435.12500	435.12500	67.0	67.0	High	Broadband
7	436.12500	436.12500	67.0	67.0	High	Broadband
8	437.12500	437.12500	67.0	67.0	High	Broadband
9	438.12500	438.12500	67.0	67.0	High	Broadband
10	439.12500	439.12500	67.0	67.0	High	Broadband
11	432.72500	432.72500	67.0	67.0	High	Broadband
12	433.72500	433.72500	67.0	67.0	High	Broadband
13	434.72500	434.72500	67.0	67.0	High	Broadband
14	435.72500	435.72500	67.0	67.0	High	Broadband
15	436.72500	436.72500	67.0	67.0	High	Broadband
16	437.72500	437.72500	67.0	67.0	High	Broadband

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W712 Gateway Configuration

W712 Gateway Configuration

Use the IP scanning tool to query the gateway IP, Log in to the W712 Gateway webpage and configure the SIP number: according to the assigned SIP account, configure the SIP server address, port, user name, password, and number respectively. Then check **[Enable]** and click **[Submit]**

The screenshot displays the LINKVIL W712 Gateway configuration page. The interface includes a top navigation bar with the LINKVIL logo, a language dropdown set to English, and a Logout button for the admin user. A sidebar on the left lists various configuration categories: System, Network, Line (selected), Phone settings, Intercom Settings, Call List, Call logs, Application, Security, and Device Log. The main content area is titled 'SIP' and contains several tabs: SIP, SIP Hotspot, Basic Settings, RTPC-XR, and Hotspot Managed Extension. The 'SIP' tab is active, showing the configuration for a line named '5051@SIP1'. The line status is 'Registered'. The 'Register Settings' section includes fields for Username (5051), Display name, and Realm. The 'SIP Server 1' section is highlighted with a red box and includes fields for Server Address (172.18.1.88), Server Port (5060), Transport Protocol (UDP), and Registration Expiration (3600 seconds). The 'SIP Server 2' section is also visible. A red arrow points to the '5051' username field with the text 'Gateway SIP Number'. A 'NOTE' box on the right explains that this page shows basic registration account settings and advanced SIP account settings. The footer indicates the current software version is T58354 and is copyrighted by Farvil Technology Co., Ltd. in 2023.

W712 Gateway Configuration

2. Enter [Intercom Settings] >> [Intercom Settings], Set the transmit frequency and receive frequency to the frequency of the selected channel of the radio, and set the radio transfer number to the phone number

LINKVIL W712

Default password is in use. Please change it.

Intercom Settings

Intercom Parameter Settings

Type: Digital Channel

Transmission frequency: 430.125

Receiving Frequency: 430.125

power: Low

Time Slot: 1

Colour Code: 1 (0-15)

Apply

Intercom Call Settings

Intercom Transfer Settings

Transfer SIP Number: 8361

Intercom Call SIP Timeout: 2 (1~3600)second(s)

Call Detection

Voice Silence Check: 1000 (500~5000)millisecond

VAD Accuracy: 200 (100~500)millisecond

Voice Prompt

Answer Prompt:

Intercom Call Prompt:

Apply

- 1. Select the type of radios you use
- 2. Fill in the selected frequency of the radio
- 3. Fill in the selected sub tone of the radio
- 4. Apply

Intercom Parameter Settings

Type: Digital Channel

Transmission frequency: 430.125

Receiving Frequency: 430.125

power: Low

Time Slot: 1

Colour Code: 1 (0-15)

Apply

Fill in the selected time slot and colour code of the radio

NOTE

Description:
Set the channel information, set the vad detection function and open the Sip terminal voice reminder.

Differences in Digital Radio Configurations

- 5. Fill in the sip number of the registered IP phone

- 6. Apply

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IP Phone Terminal configuration

IP Phone Terminal configuration

1. Log in to the IP Phone webpage and configure the SIP number: according to the assigned SIP account, configure the SIP server address, port, user name, password, and number respectively. Then check **[Enable]** and click **[Submit]**

The screenshot displays the Fanvil X7 configuration web interface. At the top, the Fanvil X7 logo is on the left, and the text "Default password is in use. Please change" is followed by a language dropdown set to "English", a "Logout" button, and the user name "(admin)". A "Keep Online" checkbox is checked. Below the header is a navigation bar with tabs for SIP, SIP Hotspot, Dial Plan, Action Plan, Basic Settings, and RTCP-XR. The left sidebar contains a menu with options: System, Network, Line (selected), Phone settings, Phonebook, Call logs, Function Key, Application, Security, and Device Log. The main content area shows the configuration for a specific line, "8361@SIP2". Under "Register Settings >>", the "Line Status" is "Registered". The "Username" field is highlighted with a red box and labeled "IP Phone SIP Number" with a red arrow. Other fields include "Authentication User" (8361), "Authentication Password" (masked), and "Server Name". Below this are sections for "SIP Server 1:" and "SIP Server 2:", each with fields for "Server Address", "Server Port" (5060), "Transport Protocol" (UDP), and "Registration Expiration" (3600 second(s)). There are also fields for "Proxy Server Address" and "Backup Proxy Server Address". At the bottom, there are links for "Basic Settings >>", "Codecs Settings >> ?", "Video Codecs >>", and "Advanced Settings >>". A "NOTE" box on the right contains a "Description:" stating it shows phone registration account basic settings and sip account function advanced settings. The footer indicates "Current Software Version: 2.4.6" and "Fanvil Technology Co., Ltd. (C)2021 All Rights Reserved."

IP Phone Terminal configuration

2. Enter [Function] >> [Side Key], configure memory keys for speed dial

Default password is in use. Please change English Logout (admin) Keep Online

Function Key Side Key Softkey Advanced

Side Dsskey Settings

Sidekey Lable Length: Default

Gateway SIP Number

Configure as Speed Dial

Key	Type	Name	Value	Value2	Subtype	Line	Media	PickUp Number
F 1	Memory Key	Cleaning team	5051		Speed Dial	8361@SIP2	DEFAULT	
F 2	Line				None	8361@SIP2	DEFAULT	
F 3	Line				None	SIP3	DEFAULT	
F 4	Line				None	SIP4	DEFAULT	
F 5	Line				None	SIP5	DEFAULT	
F 6	Line				None	SIP6	DEFAULT	
F 7	Key Event				Voice Mail	AUTO	DEFAULT	
F 8	Key Event				Headset	AUTO	DEFAULT	
F 9	None				None	AUTO	DEFAULT	
F 10	None				None	AUTO	DEFAULT	
F 11	None				None	AUTO	DEFAULT	

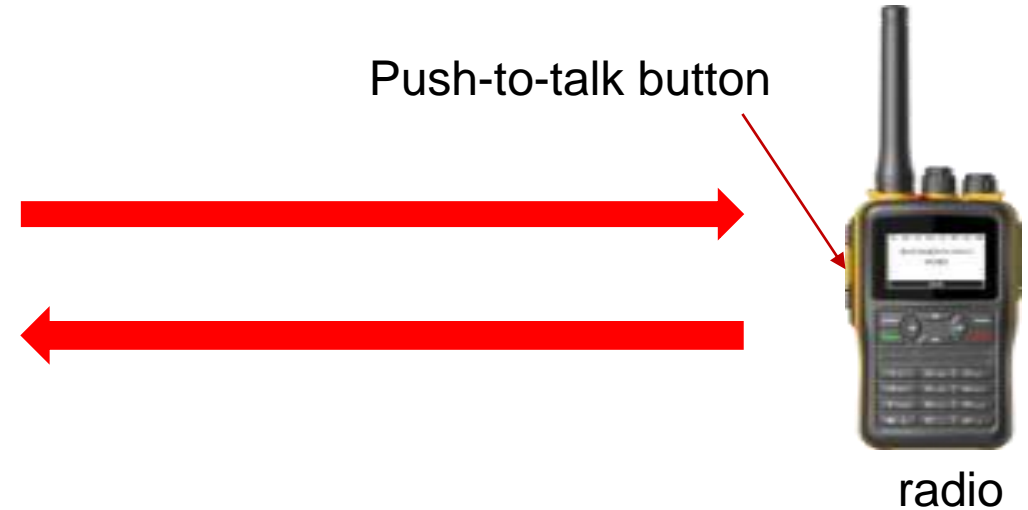
NOTE

Description:
Custom side keys set as line keys, I other side keys.

Current Software Version: 2.4.6
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Method of Application



- ➔ **IP Phone calls the radios** : Click speed-dial key to speak , and then press the radio PTT button to talk back
- ➔ **The radios calls IP Phone**: Press PTT button to talk

THANKS

