



## *Configuring a Yealink Phone to send and listen to Multicast*



Document Part # 930627B

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## **Configuring a Yealink Phone to send and listen to Multicast Document # 930627B**

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## Revision Information

- 10-31-19 Initial Release

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## 1.0 Test Setup Equipment

This section describes the products used during testing.

**Table 1-1: Setup Equipment**

EQUIPMENT	MODEL or PART NUMBER	FIRMWARE VERSION
CYBERDATA SIP PAGING SERVER	011146	12.1.0
YEALINK	T5 Series	---
YEALINK	T4 Series	----
YEALINK	T2 Series	----
LINKSYS SWITCH	SRW208MP	---

## 2.0 Configuring the Yealink phone to listen to Multicast

1. Log into the Yealink Phone.

**Figure 1-1. Login to Phone**



**Login** Gigabit Video Phone VP-T49G

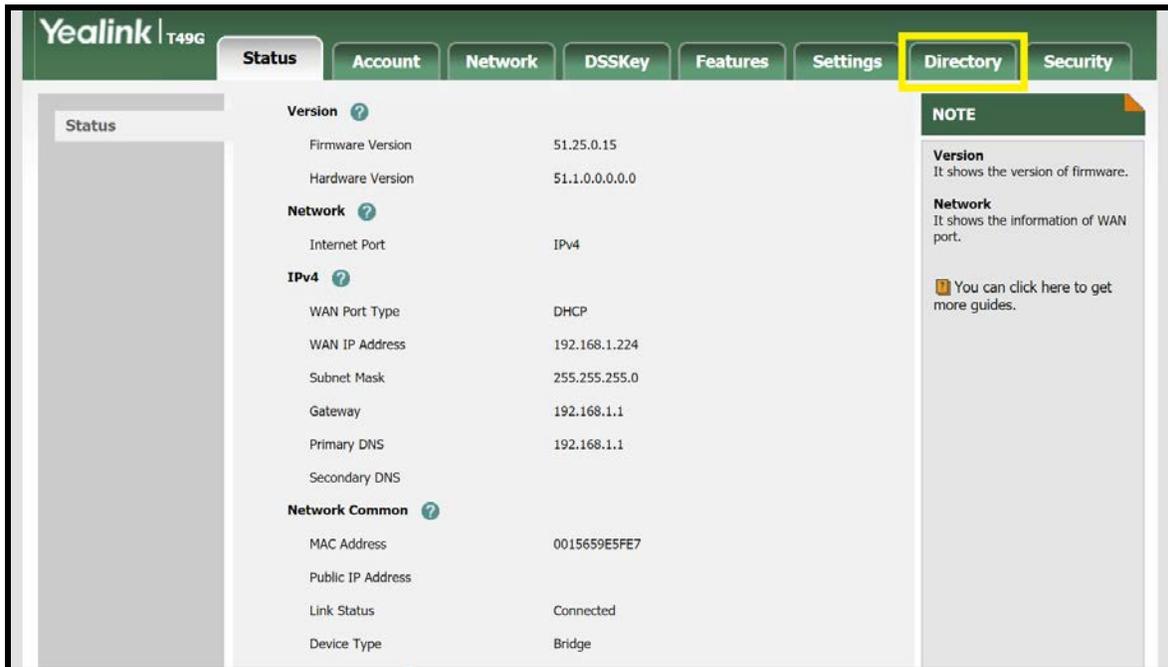
Username

Password

Confirm Cancel

2. After logging in go to the **Directory Tab**.

**Figure 1-2. Status Tab**



Yealink T49G

Status Account Network DSSKey Features Settings **Directory** Security

Status

<b>Version</b> ?	
Firmware Version	51.25.0.15
Hardware Version	51.1.0.0.0.0.0
<b>Network</b> ?	
Internet Port	IPv4
<b>IPv4</b> ?	
WAN Port Type	DHCP
WAN IP Address	192.168.1.224
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Primary DNS	192.168.1.1
Secondary DNS	
<b>Network Common</b> ?	
MAC Address	0015659E5FE7
Public IP Address	
Link Status	Connected
Device Type	Bridge

**NOTE**

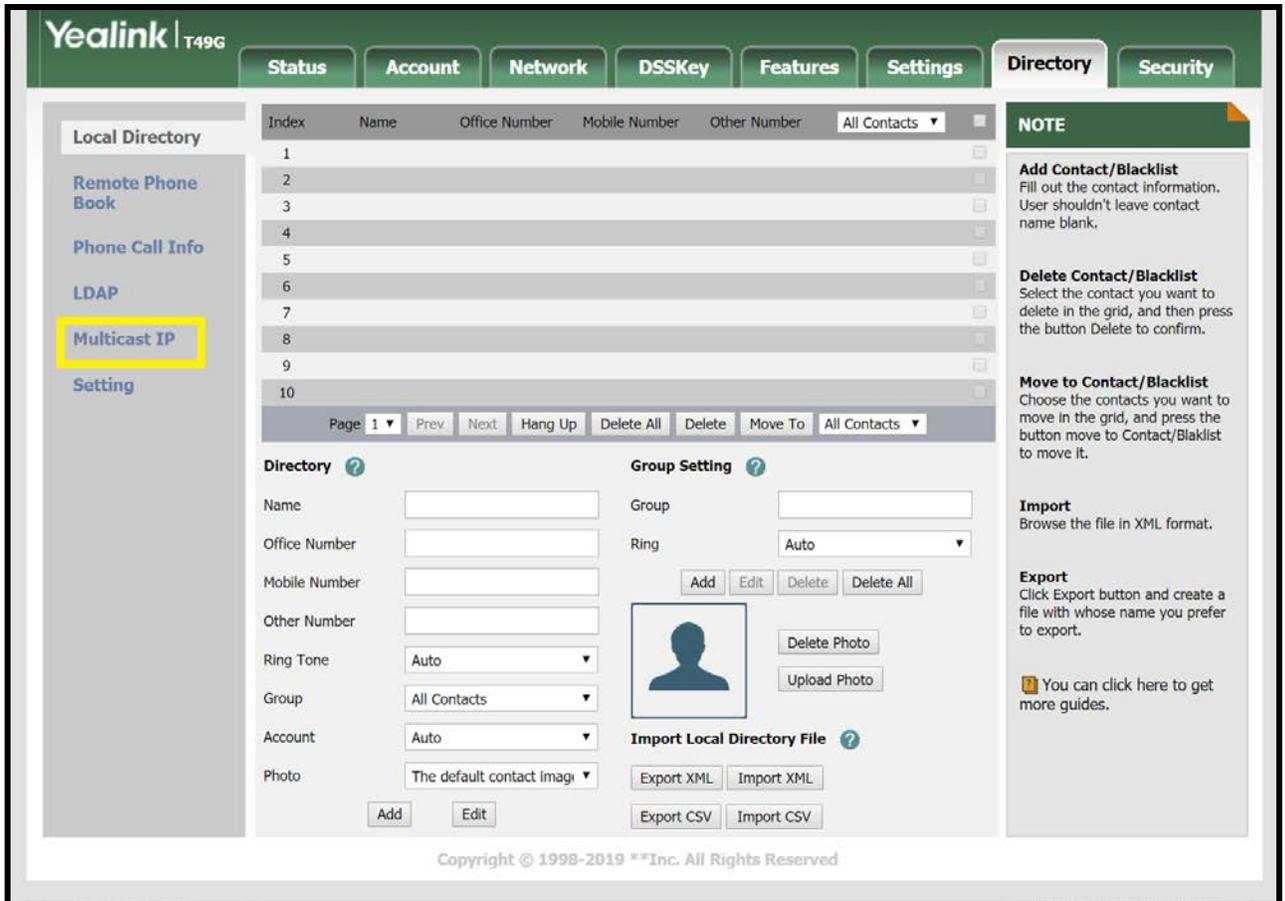
**Version**  
It shows the version of firmware.

**Network**  
It shows the information of WAN port.

You can click here to get more guides.

3. On the Directory tab select the **Multicast IP** section.

**Figure 1-3. Directory Tab**



4. On the Multicast IP section, it is possible to set the listen to and paging address.

**Figure 1-4. Multicast IP Page**

The screenshot shows the Yealink T49G web interface with the 'Settings' tab selected. The 'Multicast IP' section is highlighted. It contains two main configuration areas:

**Multicast Listening**

- Paging Barge: 10
- Paging Priority Active: Enabled

IP Address	Listening Address	Label	Priority
1 IP Address	<input type="text"/>	<input type="text"/>	1
2 IP Address	<input type="text"/>	<input type="text"/>	2
3 IP Address	<input type="text"/>	<input type="text"/>	3
4 IP Address	<input type="text"/>	<input type="text"/>	4
5 IP Address	<input type="text"/>	<input type="text"/>	5
6 IP Address	<input type="text"/>	<input type="text"/>	6
7 IP Address	<input type="text"/>	<input type="text"/>	7
8 IP Address	<input type="text"/>	<input type="text"/>	8
9 IP Address	<input type="text"/>	<input type="text"/>	9
10 IP Address	<input type="text"/>	<input type="text"/>	10

**Paging List**

Index	Paging Address	Label
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>
8	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>

Buttons: Confirm, Cancel

**NOTE**  
**Multicast IP**  
The multicast IP parameters for administrator.  
You can click here to get more guides.

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*Note: Multicast Listening are the addresses the phone will listen at for Multicast messages. Paging List are the addresses the phone can Multicast to.*

- Simply add the address and port in the Multicast Listening addresses and add a label to tune into multicast.

*Note: The address should appear like this, “224.2.1.1:2000” Address:Port.*

- Once the address is added, press the Confirm button to save the changes.

**Figure 1-5. Multicast Address Confirmed**

The screenshot shows the Yealink T49G web interface. The top navigation bar includes tabs for Status, Account, Network, DSSKey, Features, Settings, Directory, and Security. The left sidebar has options for Local Directory, Remote Phone Book, Phone Call Info, LDAP, Multicast IP (selected), and Setting. The main content area is titled 'Multicast Listening' and contains the following configuration options:

- Paging Barge: 10
- Paging Priority Active: Enabled

Below these are 10 rows for configuring multicast listening addresses. The first row is populated with the following data:

IP Address	Listening Address	Label	Priority
1 IP Address	224.2.1.1:2000	CyberData Paging Server	1
2 IP Address			2
3 IP Address			3
4 IP Address			4
5 IP Address			5
6 IP Address			6
7 IP Address			7
8 IP Address			8
9 IP Address			9
10 IP Address			10

On the right side, a 'NOTE' box states: 'Multicast IP: The multicast IP parameters for administrator. You can click here to get more guides.'

### 3.0 Configuring a Yealink phone to Send Multicast

1. Log into the Yealink Phone.

**Figure 2-1. Login to Phone**

**Login** Gigabit Video Phone VP-T49G

Username

Password

Confirm Cancel

2. After logging in go to the **Directory Tab**.

**Figure 2-2. Status Tab**

**Yealink T49G**

Status Account Network DSSKey Features Settings **Directory** Security

**Status**

**Version** ?

Firmware Version	51.25.0.15
Hardware Version	51.1.0.0.0.0.0

**Network** ?

Internet Port	IPv4
---------------	------

**IPv4** ?

WAN Port Type	DHCP
WAN IP Address	192.168.1.224
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Primary DNS	192.168.1.1
Secondary DNS	

**Network Common** ?

MAC Address	0015659E5FE7
Public IP Address	
Link Status	Connected
Device Type	Bridge

**NOTE**

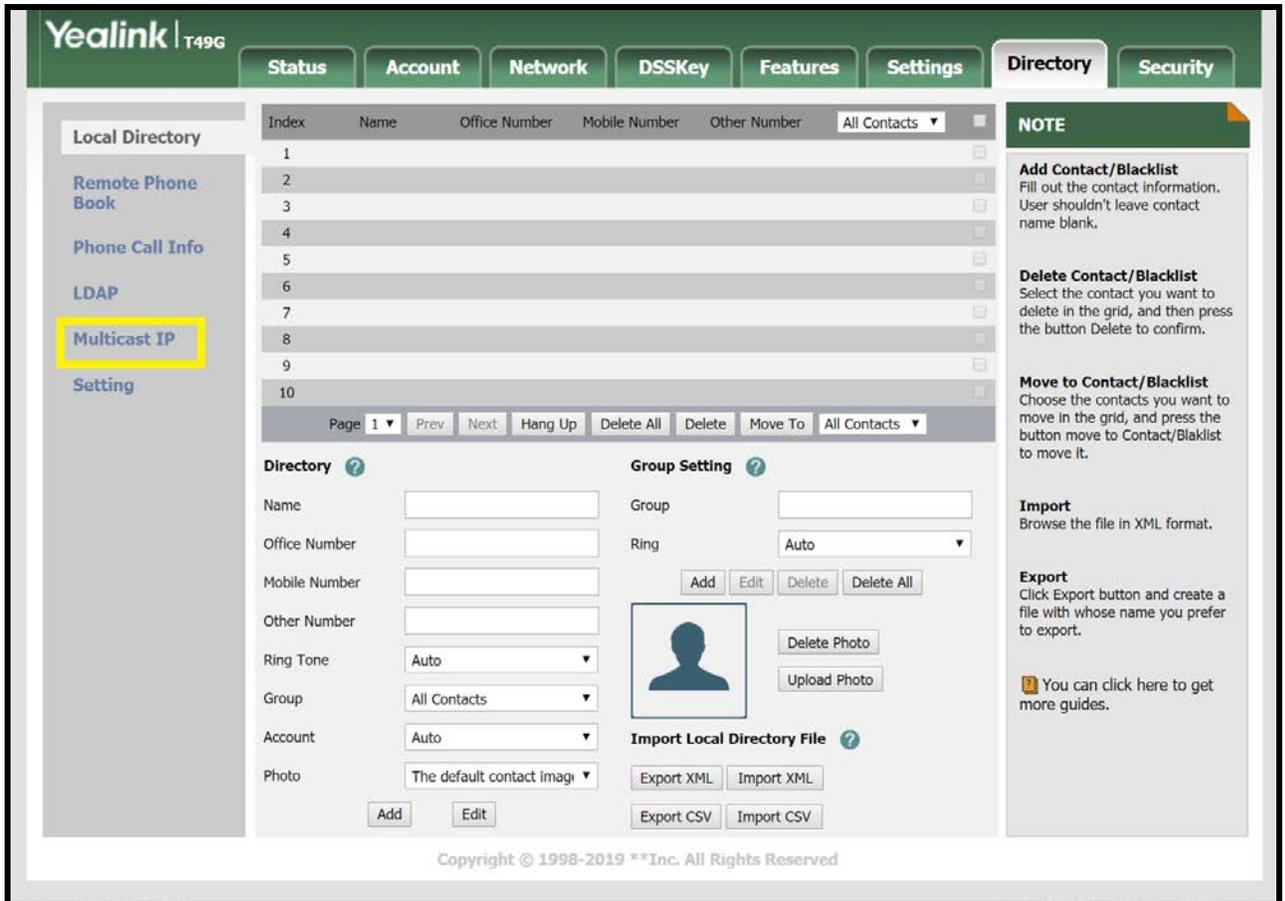
**Version**  
It shows the version of firmware.

**Network**  
It shows the information of WAN port.

You can click here to get more guides.

3. On the Directory tab select the **Multicast IP** section.

**Figure 2-3. Directory Tab**



- On the Multicast IP section, it is possible to set the listen to and paging address.

**Figure 2-4. Multicast IP Page**

The screenshot shows the Yealink T49G web interface. The top navigation bar includes Status, Account, Network, DSSKey, Features, Settings, Directory, and Security. The left sidebar contains Local Directory, Remote Phone Book, Phone Call Info, LDAP, Multicast IP, and Setting. The main content area is divided into two sections: Multicast Listening and Paging List.

**Multicast Listening** section includes:

- Paging Barge: 10
- Paging Priority Active: Enabled
- A table with 10 rows for IP Address, Listening Address, Label, and Priority.

IP Address	Listening Address	Label	Priority
1 IP Address			1
2 IP Address			2
3 IP Address			3
4 IP Address			4
5 IP Address			5
6 IP Address			6
7 IP Address			7
8 IP Address			8
9 IP Address			9
10 IP Address			10

**Paging List** section includes:

- A table with 10 rows for Index, Paging Address, and Label.

Index	Paging Address	Label
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Buttons for Confirm and Cancel are located at the bottom of the Paging List section.

**NOTE** section:

**Multicast IP**  
The multicast IP parameters for administrator.

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*Note: Multicast Listening are the addresses the phone will listen at for Multicast messages. Paging List are the addresses the phone can Multicast to.*

- Simply add the address and port in the Paging List and add a label.

*Note: The address should appear like this, “224.2.1.1:2000” Multicast.Address:Port.*

- Once the address and port are added, press the Confirm button to save the changes.

**Figure 2-5. Paging List**

Index	Paging Address	Label
1	224.2.1.1:2000	Multicast Speaker
2		
3		
4		
5		
6		
7		
8		
9		
10		

Confirm Cancel

## 4.0 How to send Multicast from the phone

Once the addresses are added to the phone the “Paging List” will need to be accessed on the phone to send a page. There are two different ways to access the paging list.

One way to access the paging list is via the menus.

Press the Menu Key → Features Key → Scroll to Paging List → Select the desired group.

An easier way to access the Paging List is via DSS Key. A DSS Key is a dedicated key that can be used for many different functions. To create a DSS Key follow these instructions.

1. From the web interface of the phone select the DSSKey tab.

**Figure 4-1. DSSKey**

The screenshot shows the Yealink T49G web interface. The 'DSSKey' tab is selected. On the left, there are navigation links for 'Line Key1-11', 'Line Key12-20', 'Line Key21-29', and 'Programable Key'. The main area contains a table with columns: Key, Type, Value, Label, Line, and Extension. The 'Label Length' is set to 'Default'. The table has 11 rows, with 'Line Key1' set to 'Multicast Paging' and '224.0.0.5:11205'. Other keys are set to 'Paging List' or 'Line'. At the bottom are 'Confirm' and 'Cancel' buttons. On the right, a 'NOTE' section provides information about 'Key Type', 'Key Event', and 'Intercom'.

Key	Type	Value	Label	Line	Extension
Line Key1	Multicast Paging	224.0.0.5:11205	Paging	N/A	
Line Key2	Paging List			N/A	
Line Key3	Line			Line 3	
Line Key4	Line			Line 4	
Line Key5	Line			Line 5	
Line Key6	Line			Line 6	
Line Key7	Line			Line 7	
Line Key8	Line			Line 8	
Line Key9	Line			Line 9	
Line Key10	Line			Line 10	
Line Key11	Line			Line 11	

**NOTE**

**Key Type**  
The free function key 'Types' Speed Dial, Key Event, Intercom.

**Key Event**  
Key events are predefined shortcuts to phone and call functions.

**Intercom**  
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

[?](#) You can click here to get more guides.

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2. To create a Paging List Key simply select the Paging List Type from the dropdown menu.
3. A dedicated Multicast Paging DSSKey can also be created for single touch Multicast paging. Select Multicast Paging and then set the Address and port (Address:port). Provide a Label for the DSS Key.
4. Press the confirm button to save the changes.

## 5.0 Contact CyberData Corporation

### Sales

For sales-related questions, please visit our Contact CyberData Sales web page for more information.

### Technical Support

For CyberData Technical Support, please submit a Contact CyberData VoIP Technical Support form on our website.

The CyberData VoIP Technical Support Contact form initiates a troubleshooting ticket which CyberData uses for quality assurance purposes.

Additionally, the Contact VoIP Tech Support form tells us which phone system you are using, the make and model of the network switch, and other essential troubleshooting information we need to efficiently assist with a resolution. Please also include as much detail as possible in the Describe Problem section of the form. Your installation is extremely important to us.

### Documentation Feedback

We realize changes to the software or hardware of the Yealink Phone may render this document obsolete. We welcome and encourage documentation feedback to ensure continued applicability.