

Safe mode update for Yealink IP Phones

Summary: You may need to follow a safe mode update when the phone has a problem and cannot boot properly.

Yealink UK provide a TFTP server with the latest FW versions loaded in the correct format enabling the phone to update from this TFTP server, providing the phone can reach this location from its current network. The public IP address for the Yealink UK TFTP server is **82.69.244.237**

Alternatively you will need to prepare a local TFTP server, put the required firmware into the local TFTP server root and rename the firmware to the correct format, as below. Then enable the phone to update the firmware via the local TFTP server.

Operation Procedure using the Yealink UK TFTP Server:

1. Press and hold the Speaker button as soon as you power on the phone.
2. A prompt will display on the LCD, requesting for IP Address, Netmask, IP Gateway and TFTP server. By pressing up/down/left/right navigation keys, you can move among the fields using the arrow keys. (The values below are just for reference. Depending on your network environment, you should specify correct value for each of them):

1. IP Address: 192.168.0.222
 2. Netmask: 255.255.255.0
 3. IP Gateway: 192.168.0.1
 4. TFTP Server: 82.69.244.237

4. TFTP Server: **82.69.244.237** is the public IP Address of the YUK TFTP server – All available files are available [here](#).

3. After completing the correct values for your network, press OK button to go on or press cancel button to quit safe mode. By pressing the OK button, the phone will go to download the firmware and update, during when it will show on the LCD: (this may differ on different models)

...Updating...

Please wait...

4. If it fails, it will show:

...Update fail...

Please reboot

Normally this is because the YUK TFTP server cannot be reached. Please check the connection and settings.

Operation Procedure using a local TFTP Server:

1. Start a local TFTP server. (For example, the server address is 192.168.0.3)
2. Select the required firmware for update. Put it to the TFTP server's root directory.

Rename the firmware, following the rule:

T28.rom for T28

T26.rom for T26

T22.rom for T22

T20.rom for T20

T12.rom for T12

T3x.bin and T3x.rom for T38G and T32G (two files are required)

T4x.bin, T4x.rfs and T4x.rom (three files are required for the T4x series –replace the x depending on the model –Files attached)

T4X.bin, T4X.rfs and T4X.rom (three files are required for the VP530)

Note:

Only the above Yealink models support this kind of safe mode update. Also the T3x, T4x and VP530 handsets may take a long time, in excess of 40 minutes to complete the process, due to the size of the file being transferred.

3. Press and hold the Speaker button as you power on the phone.
4. A prompt will display on the LCD, requesting for IP Address, Netmask, IP Gateway and TFTP server. By pressing up/down/left/right navigation keys, you can move among the fields using the arrow keys. (The values below are just for reference. Depending on your network environment, you should specify correct value for each of them):

1. IP Address: 192.168.0.222
2. Netmask: 255.255.255.0
3. IP Gateway: 192.168.0.1
4. TFTP Server: 192.168.0.3

5. After completing the correct values for your network, press the OK button to go on or press cancel button to quit safe mode. By pressing the OK button, the phone will go to download the firmware and update, during when it will show on the LCD: (this may differ on different models)

...Updating...
Please wait...

If it fails, it will show:

...Update fail...
Please reboot

Normally this is because that the TFTP server cannot be reached or the firmware for update is not available or incorrectly named in the TFTP server. Please check the connection and settings.

Note:

1. Compared to a HTTP or FTP method, the TFTP behaves much slower, so it may take a longer time (maybe more than 15minutes) for the entire update to complete. In the case of the T3x and T4x this may take over 40 minutes.
2. Not all Yealink models support safe mode update. (Units shipped after August 2009 should have this functionality)
3. It needs the firmware support. (The version needs to be higher than x.41.x.x)