

Merit LILIN Application Note

How to Install LILIN IPC0522, Yealink SIP-T19P_E2 IP Phone and Yeastar S20 SIP Server

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Dept: Technical Support, Taipei

Subject: This document describes how to install and integrate a LILIN IPC0522 with a Yealink SIP-T19P_E2 IP Phone.

Device Supported: LILIN IPC0522 Firmware Version 3.29.92 svn5170M

<https://www.dropbox.com/sh/xinra4ashmdgdjy/AABoNhJ6aBAhOFfXXhNcwazxa?dl=0>

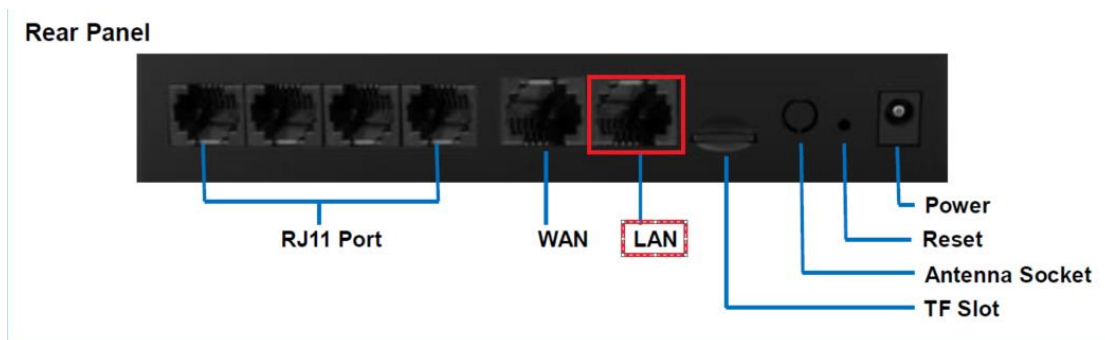
Yealink SIP-T19P_E2 Firmware Version 53.83.0.35 Hardware Version 53.0.0.221.0.0.0

Yeastar S20 Firmware Version 30.10.0.28 Hardware Version V1.30 0000-0000

How to install:

Step #1: Yeastar S20 Setting:

- Make sure the S20 and SIP-T19P_E2 are in the same network segment



- Use default admin/password to login

Accessing Web GUI

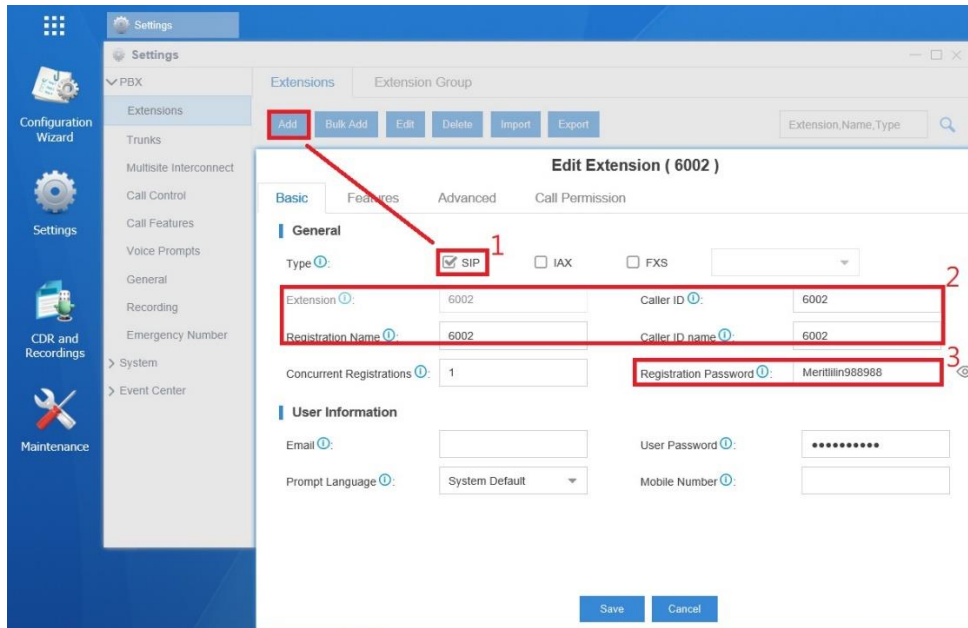
Yeastar S-Series provides web-based configuration interface for administrator and extension users. The administrator can manage the device by logging in the Web interface. Check the factory defaults below:

IP address: <https://192.168.5.150:8088>

User Name: **admin**

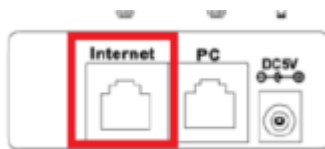
Default Password: **password**

- Settings > PBX > Extensions
 1. Add → Checked SIP
 2. Extension 、 Caller ID 、 Registration Name and Caller ID → 6002
 3. Registration Password → Meritlilin988988

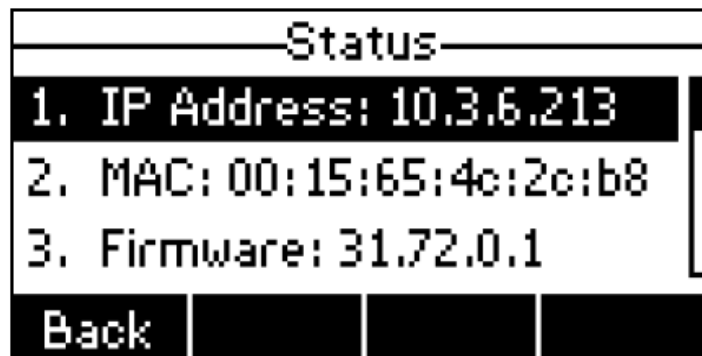


Step #2: Yealink SIP-T19P_E2 Setting:

- Make sure the SIP-T19P_E2 and S20 in the same network segment



- Via the phones user interface. Menu > Status to get IP address



- Open a web browser and use the default admin/admin to login



- Account > Register

- Line Active → Enabled
- Display Name \ Register Name and User Name → 6002
- Password → Meritlilin988988
- Server Host → 192.168.110.140

Step #3: IPC0522 Setting

- Login to the IPC0522 Web GUI, Setup > Advance Mode > SIP

- VOIP → Enable
- SIP Domain Server → 192.168.110.140
- Register Username → 6000
- Register Password → Meritlilin988988

- Set Extension, and call the SIP phone

- Remote Username → 6002
- Click **Submit** and check Call Status

3. Click **Call** to connect to Extension 6002 IP phone

Live | Basic Mode | Advance Mode | Language | Logout

System Video / Audio Network Event Notification Maintenance

General
General IPv6
HTTP/RTSP Service
HTTPS Service
Multicast
IP Address Filtering
DDNS
UPnP
Bonjour Service
SDDP / Heartbeat
SNMP
SIP

Advance >> Network >> SIP

VOIP Enable Disable

SIP Domain Server 192.168.110.140
SIP Server Port 5060
Register Username 6000
Register Password *****
SIP URL 6000@192.168.110.140
Register Expiration Date 30
Local SIP Port 5060
Audio RTP-Port 7078
Video RTP-Port 9078
DTMF Receiving SIP INFO (RFC-2976)
DTMF Code (0-9,#,*) 1234#
DTMF Time (sec.) 10
Force to end call (sec.) 60

Submit

Extension Ext. 1
Remote Username 6002
SIP URL 6000@192.168.110.140
Call Status Ready

Submit Call End

Step #4: DTMF

- SIP server > edit your Extension > Advanced

1. DTMF Mode → Info

Edit Extension (6000)

Basic Features **Advanced** Call Permission

VoIP Settings

NAT Quality
 Register Remotely Enable SRTP
 T.38 Support
Transport: UDP
DTMF Mode: Info

Enable User Agent Registration Authorization

Enable User Agent Registration Authorization
User Agent: +

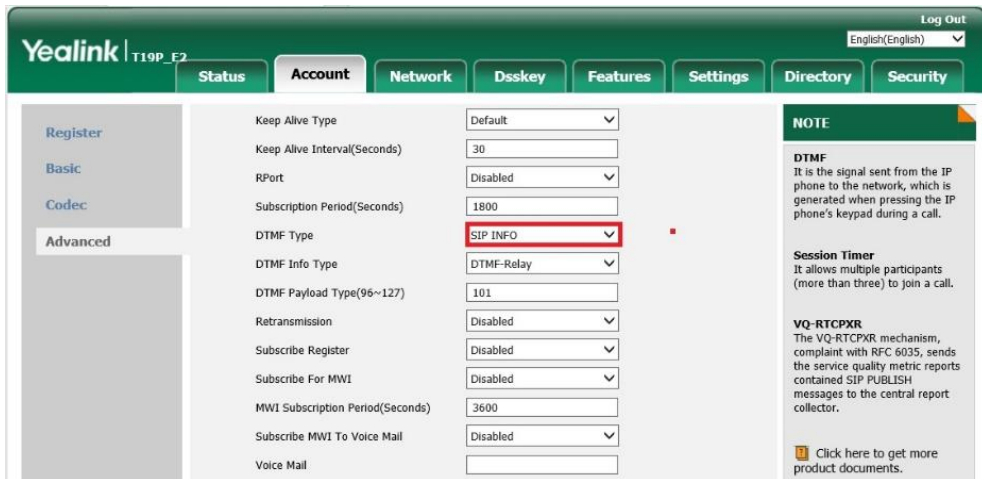
IP Restriction

Enable IP Restriction
Permitted IP/Subnet mask: +

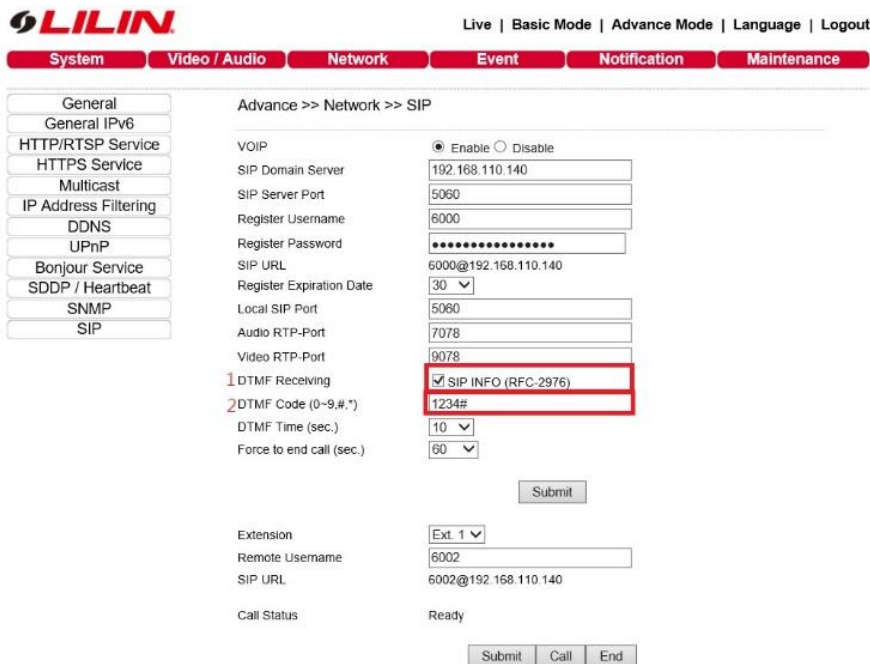
Save Cancel

- T19P_E2 > edit account > Advanced

1. DTMF Type → SIP INFO



- IPC0522 > edit SIP
 1. DTMF Receiving → check SIP INFO
 2. DTMF Code (0~9,#,*) → 1234#



- After completing the above settings, you can press the doorbell button and dial the SIP phone to Yealink SIP-T19_E2 IP Phone.

Contact

Contact <http://lilin.zendesk.com> for technical support.
For more information, visit www.meritlilin.com.