

# OPENVPN on Grandstream Phones

Bluntly, this is rocket science. We don't do this unless under duress. Example: your country that a remote office is blocking all non-encrypted traffic and we like you enough to setup OpenVPN as a server on a hosted/cloud Hello Hub. We'll create the OpenVPN server and configure it. This is a low to moderate security VPN. It's primary purpose is to punch through firewall/traffic restrictions, not to protect you from the NSA, KGB or other nation state level actors.

## Step 1 - OpenVPN

The client/user will need to take the three files we provide and login in to their phones using a web browser. We can not provide or configure them via our automated systems.

Grandstream GXP 2024

Search | Admin Logout | Reload

GRANDSTREAM  
CONNECTING THE WORLD

STATUS ACCOUNTS SETTINGS NETWORK MAINTENANCE

Network

- Basic Settings
- Advanced Settings
- Remote Control
- Affinity Settings
- Bluetooth Settings
- OpenVPN® Settings
- SNMP Settings
- Wi-Fi Settings

### OpenVPN® Settings

OpenVPN® Enable ☒ Yes ☐ No

OpenVPN® Server Address

OpenVPN® Port

OpenVPN® Transport ☒ UDP ☐ TCP

OpenVPN® CA

OpenVPN® Certificate

OpenVPN® Client Key

OpenVPN® Cipher Method ☐ Blowfish ☐ AES-128 ☒ AES-256 ☐ Triple-DES

OpenVPN® Username

OpenVPN® Password

Additional Options

We'll send you the three files.

**ca.crt** is uploaded to "OpenVPN CA"

**phone01.crt** is uploaded to "OpenVPN Certificate"

**phone01.key** is uploaded to "OpenVPN Client Key"

The server address is the IPv4 address of your cloud/hosted Hello Hub. The IP in the image is an example.

The port will probably **5042** - an atypical port for either VPN's or VoIP/SIP.

The Cipher method is **AES-256**

No username or password is required.

Click **Save and Apply** reboot and pray.

## Step 2 - Account Mods

Under **Accounts→Account 1** Set the SIP Server IP Address and Outbound Proxy IP address to **10.42.42.1** This is both the Hello Hub and VPN Server Address.

## Disclaimer

Depending on too many factors to explain, this may still not work. But so far is getting phones working behind very restrictive nation state firewalls to Hosted/Cloud Hello Hubs

From:  
<https://wiki.ring-u.com/wiki/> - support wiki

Permanent link:  
[https://wiki.ring-u.com/wiki/doku.php?id=blog:openvpn\\_on\\_grandstream\\_phones&rev=1654879621](https://wiki.ring-u.com/wiki/doku.php?id=blog:openvpn_on_grandstream_phones&rev=1654879621)

Last update: 2025/11/02 18:50

