

Quick Start: Remote Access Setup

For the Friend (Client Setup)

Step 1: Install WireGuard

- **Windows/Mac:** Download from <https://www.wireguard.com/install/>
- **Linux:** `sudo apt-get install wireguard wireguard-tools``
- **Mobile:** Install "WireGuard" app from app store

Step 2: Generate Your Keys

Windows/Mac (GUI):

1. Open WireGuard
2. Click "Add Tunnel" → "Add Empty Tunnel"
3. Copy your **Public Key** (shown in the config)

Linux/Command Line:

```
wg genkey | tee private.key | wg pubkey > public.key  
cat public.key
```

Step 3: Share Your Public Key

Send your **Public Key** to the system administrator.

Step 4: Receive and Import Configuration

You'll receive a configuration file. Import it into WireGuard:

Windows/Mac: Copy-paste into WireGuard GUI

Linux: Save to `/etc/wireguard/wg0.conf`

Step 5: Connect

- **Windows/Mac:** Toggle the switch in WireGuard GUI
- **Linux:** `sudo wg-quick up wg0``

Step 6: Access Web Interface

Open browser: `http://10.8.0.1/`

For the Administrator (Adding a Friend)

Step 1: Get Friend's Public Key

Friend should send you their public key.

Step 2: Add Friend to Server

```
cd ~/moodeaudio-cursor
./tools/add-wireguard-peer.sh FRIEND_PUBLIC_KEY_HERE
```

Step 3: Share Configuration with Friend

The script will output a configuration template. Share it with your friend.

Important: Friend needs to:

1. Replace `FRIEND_PRIVATE_KEY_HERE` with their private key
2. Replace `YOUR_SERVER_PUBLIC_IP` with your server's public IP

Step 4: Verify Connection

```
# On server, check WireGuard status
sudo wg show

# Should show the peer with recent handshake
```

Server Information

Server Public Key:

```
MzNJlu8jKJefsADZhgr3wzEHcilx6iHE6nbjucE2VXQ=
```

Server VPN IP: 10.8.0.1

WireGuard Port: 51820/UDP

SSH Access:

- Address: `andre@10.8.0.1`
- Password: `0815`

Web Interface: <http://10.8.0.1/>

Troubleshooting

Cannot connect?

1. Check server is online: `ping YOUR_SERVER_IP`
2. Verify port 51820/UDP is open
3. Check WireGuard status on server: `sudo systemctl status wg-quick@wg0`

Connected but can't access web?

1. Verify connection: `ping 10.8.0.1`
2. Try: `http://10.8.0.1/` in browser
3. Clear browser cache
4. Check server web service: `sudo systemctl status nginx`

SSH not working?

1. Verify WireGuard connection: `ping 10.8.0.1`
2. Try: `ssh andre@10.8.0.1`
3. Password: `0815`

For detailed troubleshooting, see: [docs/REMOTEACCESSGUIDE.md](#)