

V100 PCTool – Peer-to-Peer

Peer-to-Peer calling requires the Telephone Book. These calls are made directly from the caller to the receiver via an IP address rather than through the VoIP provider. Peer-to-Peer calls can be achieved through the LAN or the internet. The procedure below will show the LAN setup.

If you have a switch:

1. Install the PCTool software on the PC.
2. Connect the V100s and your PC to your switch via the Ethernet cable. Make sure the WAN LED on the V100s is lit.
3. Double click on the **PCTool** icon on the desktop.
4. Configure each V100 accordingly. Please refer to below examples.
5. Once done, connect an analogue phone to each V100.

If you do not have a switch:

1. Install the PCTool software on the PC.
2. Connect the V100 to your PC one by one via the Ethernet cable. Make sure the WAN LED on the V100s is lit.
3. Double click on the **PCTool** icon on the desktop.
4. Configure each V100 accordingly. Please refer to below examples.
5. Once done, connect an analogue phone to each V100.

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NetComm V100 PCTool

Status Connection Mode SIP Telephone Book Tool

Site A - Home

☐ PPPoE
☐ DHCP
☒ Fixed IP

IP Address : 192 . 168 . 1 . 100

Subnet Mask : 255 . 255 . 255 . 0

Default Gateway : 192 . 168 . 1 . 1

DNS 1 : 192 . 168 . 1 . 1

DNS 2 : . . .

Apply

Refresh Close

NetComm V100 PCTool

Status Connection Mode SIP Telephone Book Tool

Site B - Office

☐ PPPoE
☐ DHCP
☒ Fixed IP

IP Address : 192 . 168 . 1 . 200

Subnet Mask : 255 . 255 . 255 . 0

Default Gateway : 192 . 168 . 1 . 1

DNS 1 : 192 . 168 . 1 . 1

DNS 2 : . . .

Apply

Refresh Close

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Click on the **SIP** tab. Select 'No' for Use Proxy

The image shows two side-by-side windows of the NetComm V100 PCTool software, both with the 'SIP' tab selected. The left window is for 'Site A - Home' and the right is for 'Site B - Office'. Both windows have the 'Local' sub-tab selected. In the 'Host' section, 'Max Digits (1-24)' is set to 24, 'Port No.' is 5060 for Site A and 7999 for Site B, 'MaxRings' is 15, and 'Use Proxy' is set to 'No'. In the 'Phone Configuration' section, 'User Name' is 1234567 for Site A and 7654321 for Site B, 'Display Name' is 'Home' for Site A and 'Office' for Site B, 'Codec' is 'G729', and 'DTMF' is 'RFC 2833'. Dashed orange arrows indicate the cross-site configuration: from Site A's 'User Name' to Site B's 'Port No.', from Site A's 'Port No.' to Site B's 'User Name', from Site A's 'Display Name' to Site B's 'Display Name', and from Site A's 'DTMF' to Site B's 'DTMF'. Each window has 'Apply', 'Refresh', and 'Close' buttons at the bottom.

Field	Site A - Home	Site B - Office
Max Digits (1-24)	24	24
Port No.	5060	7999
MaxRings	15	15
Use Proxy	No	No
User Name	1234567	7654321
Display Name	Home	Office
Codec	G729	G729
DTMF	RFC 2833	RFC 2833

Click on the **Telephone book** tab and click Add.

The image shows two side-by-side windows titled 'Add Phone Number' for 'Site A - Home' and 'Site B - Office'. In the 'Site A - Home' window, 'User Name' is 7654321, 'Speed Dial' is 15, 'Dest. IP Address' is 192.168.1.200, 'Port No.' is 7999, and 'Display Name' is 'the office'. In the 'Site B - Office' window, 'User Name' is 1234567, 'Speed Dial' is 24, 'Dest. IP Address' is 192.168.1.100, 'Port No.' is 5060, and 'Display Name' is 'home'. Dashed orange arrows show the exchange of information: from Site A's 'User Name' to Site B's 'Port No.', from Site A's 'Port No.' to Site B's 'User Name', and from Site A's 'Dest. IP Address' to Site B's 'Dest. IP Address'. Each window has 'OK' and 'Cancel' buttons at the bottom.

Field	Site A - Home	Site B - Office
User Name	7654321	1234567
Speed Dial	15	24
Dest. IP Address	192.168.1.200	192.168.1.100
Port No.	7999	5060
Display Name	the office	home

The above shows the exchange of information of the 2 sites.



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- **Username:** The username of the person you are contacting.
- **Speed Dial:** A short number to dial in order to contact the person associated with that number.
- **Dest. IP Address:** The IP address of the person you are contacting. This can either be LAN or WAN.
- **Port No.:** Can be any number (Pref. 5 digits or less). It will have to match the port number of the person you are contacting
- **Display Name:** Any name to identify who you are calling.

Important!!! As shown above, both parties will need to exchange these details and enter them correctly in order to achieve Peer-to-Peer calls.

You cannot use Peer-to-Peer mode (Phone Book) and Proxy mode (VoIP Service Provider) simultaneously.