1701Plus Configuration Tool Manual

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1. Introduction

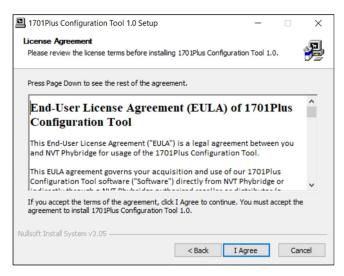
The NVT Phybridge 1701Plus Configuration Tool will allow you to configure separate groups of 1701Plus by configuring the password for each group. This program will also allow you to create the logical topology of each group. You can download the application on the NVT Phybridge website.

2. Installation

1701Plus Configuration Tool is a Windows application. To install the application, download from our website and run 1701PlusConfigurationTool_setup.exe. Installation process is as below.



End User License Agreement
Please read the agreement and click "I agree" to install the tool.



- Choose Install Location Specify the target folder of 1701Plus Configuration Tool.

1701Plus Configuration Tool 1.0 Setup				×
Choose Install Location				E
Choose the folder in which to install 1701P	lus Configuration Tool 1	.0.		
Setup will install 1701Plus Configuration To different folder, click Browse and select an				on.
Destination Folder				
Destination Folder	iguration Tool\	Bro	wse	
	iguration Tool\	Bro	wse	
C:\Program Files (x86)\1701Plus Confi Space required: 18.3 MB	iguration Tool\	Bro	wse	
C:\Program Files (x86)\1701Plus Confi	iguration Tool\	Bro	wse	
C:\Program Files (x86)\1701Plus Confi Space required: 18.3 MB Space available: 1434.7 GB	iguration Tool\	Bro	wse	
C:\Program Files (x86)\1701Plus Confi Space required: 18.3 MB	iguration Tool\	Bro	wse	

- Final page

1701Plus Configuration Tool requires Npcap (or WinPcap) to run. If it is not installed on your PC, please visit <u>Npcap website</u> to download. If it is already installed, then you can run 1701Plus Configuration Tool.

1701Plus Configuration Tool	1.0 Setup — 🗆 🗙
	Completing 1701Plus Configuration Tool 1.0 Setup 1701Plus Configuration Tool has been installed on your computer. 1701Plus Configuration Tool requires Npcap (WinPcap) to run, please dick Finish to dose Setup and visit the website.
	Run 1701Plus Configuration Tool (Npcap must already be installed) Visit Npcap website
	< Back Finish Cancel

3. 1701Plus Configuration Tool

Click the local device or remote device to configure in Logical Networks pane. You can see the details in Adapter Information by clicking Speed Rates, Visible Nodes and Version tabs.

1701Plus Configuration Tool has the following menu items:

- Adapter: Contains items to execute actions related to adapters such as Upgrade and Reset.
- Configuration: Contains items to configure adapter's settings such as HFID and network.
- Tool Settings: Contains the item to set network interfaces.
- Help: Contains about the 1701Plus Configuration Tool information.

1701Plus Configuration Tool v1.0				_		×
Adapter Configuration Tool Settings Help						
Logical Networks	Adapter Informatio	n				
□	Adapter Name: MAC address: 0	0:24:63:ff:ff:f0	Uptime: 0 day(s) 00:01	1:49	
	Speed Rates Vis	ible Nodes Versio	on			
	Adapter Name	MAC	Link Quailty (Tx/Rx)			
		00:24:63:00:00:00	91.9 % / 92.4 %			
Adapter 00:24:63:ff:ff:f0 authenticated						

3.1 Adapter menu

Adapter menu is as below. It has 1701Plus device related menus.

1701Plus Configuration Tool v1.0				-		×
Adapter Configuration Tool Settings Help						
Upgrade Restart	Adapter Informatio	n				
Factory Reset gAV (CCO: 00:24:63:00:00:00) 17010 00:24:63:00:00:00	Adapter Name:					
176 00:24:63:ff.ff.f0	MAC address: 0	0:24:63:ff:ff:f0	Uptime: 0 day(s) <mark>00:0</mark> 3	3:00	
	Speed Rates Vis	ible Nodes Versio	n			
	Adapter Name	MAC	Link Quailty (Tx/Rx)			
		00:24:63:00:00:00	92.0 % / 92.3 %			
Adapter 00:24:63:ff:ff:0 authenticated						

- Upgrade:
 - Upgrade the authenticated adapter from a binary image(ggl file) provided by NVT Phybridge.
- Restart:
 - Restart the authenticated adapter.
- Factory Reset:
 - Performs a factory reset on the authenticated adapter to factory defaults.

3.2 Configuration menu

Configuration menu is as below.

() 1701Plus Configuration Tool v1.0				_		×
Adapter Configuration Tool Settings Help						
Logical Change Adapter Name	Adapter Information	n				
□-	Adapter Name:					
00:24:63.ff.ff.f0	MAC address: 0	0:24:63:ff:ff:f0	Uptime: 0 day(s) 00:04:	:52	
	Speed Rates Vis	ible Nodes Versio	n			
	Adapter Name	MAC	Link Quailty (Tx/Rx)			
		00:24:63:00:00:00	92.1 % / 91.9 %			
Adapter 00:24:63:ff:ff:f0 authenticated						

Change Adapter Name: To change adapter's Human Friendly Identifier (HFID).
HFID can be configured as a nickname. Once configured, the HFID is displayed in the Logical Networks pane, next to its MAC address.

Change Adapter Name					
Please enter the Adapter Name					
	01	Canaal			
	OK	Cancel			

Change Adapter Password: To change the adapter's network password.
Only adapters sharing the same network password can communicate. Please make sure to change the remote unit password first.

There are 2 modes of security: a) SIMPLECONNECT allows the operation of simpleconnect functionality (pushbutton pairing) after the network password has been changed, and b) SECURE operation mode disables the operation of simple-connect functionality (pushbutton) after the network password has been changed.

Change Adapter Password	- 🗆 ×
Security	Adapter Password
SIMPLECONNECT ~	
ОК	Cancel

3.3 Tool Settings menu

Tool Settings menu is as below.

() 1701Plus Configuration	on Tool v1.0				—		×
Adapter Configuration	Tool Settings Help						
Logical Networks	Metwork Interfaces	Adapter Informatio	n				
1701+ 00:	gAV (CCO: 00:24:63:00:00:00) 24:63:00:00:00 <mark>24:63:ff.ff.f0</mark>	Adapter Name: MAC address: 0 Speed Rates Vis	0:24:63:ff:ff:f0	Uptime: 0 day(;	s) 00:25	:59	
		Adapter Name	MAC	Link Quailty (Tx/Rx)			
			00:24:63:00:00:00	91.9 % / 91.8 %			
Adapter 00:24:63:ff:ff:f0 au	uthenticated						

- Network Interfaces... : This menu is to let the user enable/disable local network interface cards(NIC)
 - Select all the interfaces that 1701Pluses are connected to. If you are not sure, select all.

Local interfaces			×
Local Interfaces			
Microsoft - No IP A	92.168.20.1		^
Cisco AnyConnect V			
	Ok	Car	ncel

3.4 Help menu

Help menu is as below.

1701Plus Configuration Tool v1.0					_		\times
Adapter Configuration Tool Settings H	elp						
Logical Networks	1701Plus Configu	uration Tool Help					
HomePlugAV (CCO: 00:24:00)		Adapter Name:					
00:24:63:ff.ff.f0		MAC address: 0 Speed Rates Visi	0:24:63:ff:ff:f0 ble Nodes Versio	Uptime: 0 day(s) 00:06	:34	
		Adapter Name	MAC	Link Quailty (Tx/Rx)			
			00:24:63:00:00:00	92.1 % / 91.4 %			
Adapter 00:24:63:ff:ff:f0 authenticated							

- 1701Plus Configuration Tool Help:
 - This help document will be shown in chm file format.
- About:
 - Displays the application's version information.

4. Troubleshooting

1701Plus Configuration Tool is not running:

 You should remove all other versions of winpcap, npcap, and win10pcap as old versions will cause this to not work.

1701Plus Configuration Tool is not running with the message that some .DLLs are missing:

- This is due to missing libraries. Download the missing libraries and try again.

Remote 1701Pluses are not shown:

- Make sure that the remote 1701Pluses are connected to the head-end 1701Plus and the lights are on.
- Reset the 1701Plus base unit to its factory default.

Local 1701Pluses are not shown in Logical Networks pane:

- Make sure that the 1701 is receiving power and the blue power light and green RJ45 lights are on.
- Make sure that there is an ethernet cable going from the head-end 1701Plus to your computer/laptop.
- Click Tool Settings -> Network Setting in the menu and select the ethernet interfaces that the devices are connected. You may need to restart the program if the interfaces are not listed. See <u>3.3 Tool Settings menu.</u>
- Open "Network Connections" in Windows (Settings -> Network & Internet -> Change adapter option) and make sure that the ethernet interface that 1701Plus is connected to is enabled. If it is already enabled, then try to disable and enable it.