

How to Configure D-Link DP-602 for BigPond ISDN NT1 Plus II

This article describes how to configure the D-Link DP-602 Internet Router for attachment to the Telstra NT1 Plus II as supplied with the Telstra ISDN BigPond Internet/ ISDN Home Installation. The following instructions establish the session as 128kbps Multi-link ML-PPP with Dynamic Voice Over-ride (DVO).

Step 1: Check the Router Firmware Version

Using either the IS Admin application or your browser (<http://192.168.100.1>), check the Firmware Version of the DP-602 Router. The version I found to work with Telstra ISDN is 2.2e. Version 2.1 does not work.

Step 2: Update the Router Firmware if necessary

If the Router does not have version 2.2e, you can download it from the D-Link International site

<http://www.dlink-intl.com/web/intl.nsf/TSM?OpenPage>

Choose Drivers & Updates. Search for DP-602 and select DP-602 Firmware V2.20e

The file downloaded is Dp602v220e.zip. After download un-zip it to get the firmware file dp602.bin. Using IS-Admin click on Update Firmware, browse to locate the file and select it and OK. Router will re-start.

Note that you should also download, from the same site, the new version of IS-Admin Application v2.20 to match with the updated Firmware. IS-Admin should now report the Firmware version as 2.2e

Step 3: Configure the Router

Using either IS Admin or your browser, in the System tab, set the DNS to Telstra BigPond settings of 139.134.5.51 and 139.134.2.190.

The screenshot shows the 'Configuration' window with the 'System' tab selected. The 'WAN Port 1' sub-tab is active. The 'Server Name' is 'IS-6B06B5'. The 'Local LAN' section shows 'IP Address' as 192.168.100.1 and 'Subnet Mask' as 255.255.255.0. The 'DNS IP Address' section shows two addresses: 139.134.5.51 and 139.134.2.190. The 'Maximum Idle Time' is set to 120 minutes. The 'Operation Mode' section has three radio buttons: 'LAN-to-WAN' (selected), 'LAN-to-LAN (Specify Global IP Address)', and 'LAN-to-LAN (Obtain Global IP Address Automatically)'. The 'LAN-to-LAN (Specify Global IP Address)' section shows fields for 'Global IP Address', 'Subnet Mask', and 'Default Gateway', all set to 0.0.0.0. The 'Save' and 'Cancel' buttons are at the bottom.

System	WAN Port 1	WAN Port 2	DHCP Server	Server Address
Server Name IS-6B06B5				
Change Password				
Old Password				
New Password				
Confirm Again				
Local LAN				
IP Address 192.168.100.1				
Subnet Mask 255.255.255.0				
DNS IP Address 139.134.5.51 139.134.2.190				
Maximum Idle Time 120 minutes				
Operation Mode				
☒ LAN-to-WAN				
☐ LAN-to-LAN (Specify Global IP Address)				
Global IP Address 0.0.0.0				
Subnet Mask 0.0.0.0				
Default Gateway 0.0.0.0				
☐ LAN-to-LAN (Obtain Global IP Address Automatically)				
Save Cancel				

In the either WAN Port 1 or 2 tab, set Line Type to Dial Up, Baud Rate to 230,400, phone number to 0198308888, add your specific username and password as advised by Telstra. Under the Modem AT Commands insert the following – Init. String to AT Z E0 V1 &D2 &C1 &K3, Dial Prefix String ATDT and Hangup String to ~~~+++~~~ATH0. Click the save button to store these settings. The router will re-start.

Configuration

System | WAN Port 1 | **WAN Port 2** | DHCP Server | Server Address

Line Type: **Dial Up**

Baud Rate: **230400** bps

ISP Account

Phone Number: **0198308888** User ID: **yourusername**

IP Address: **0 . 0 . 0 . 0** Password: *********

Modem AT Command

Init. String: **AT Z E0 V1 &D2 &C1 &K3** Browse...

Dial Prefix String: **ATDT**

Hangup String: **+++ATH0**

Login Script

Prompt String: Keyin String:

Add Insert Delete

Save Cancel

Step 4: Install Custom Configurable Driver on PC

Follow the Telstra provided instructions to install the Custom Configurable Modem Driver on your PC.

Step 5: Install ConSet software on PC

Follow the Telstra provided instructions to install the Conset Application on your PC.

Step 6: Configure the NT1 Plus II using ConSet

Attach the NT1 Plus II to your PC using the serial cable provided. Open the Conset application. Select version information to check the NT1 Plus II. Window should look like this:-

Version Information

Product Name: **NT1 Plus II**

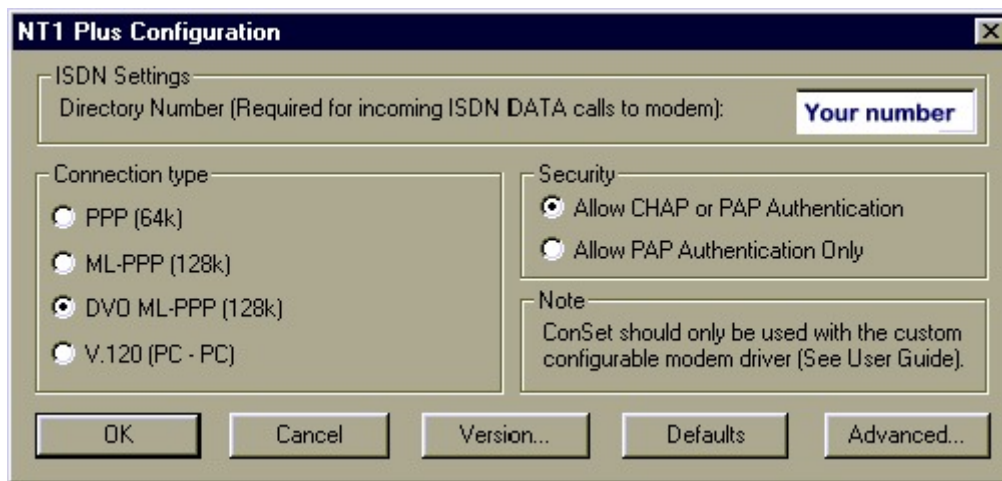
Version: **2.03c**

EPROM Checksum: **Crc 16 : 7104**

Date of Software: **18/07/02**

OK

Select Configuration. Select the Connection type as DVO ML-PPP (128k) and Security to Allow CHAP or PAP Authentication. Your directory number appears in the top right hand field although this is not needed. Click OK to store this setting into the NT1 Plus II.



Step 7: Confirm internet connection via PC serial port

With the NT1 Plus II still connected to the PC via serial cable, confirm a successful dial-up connection to BigPond ISDN.

Step 8: Confirm internet connection via D-Link Router

Disconnect the serial cable from the PC and attach it to the appropriate port on the Router – WAN 1 or WAN 2, depending on which one you have configured. The Router should now initiate the ISDN call and connect all users on your network to the internet.

~End of document~