

3G Failover Setup guide (DIR-825 Blue interface)

This setup guide was created using a DIR-825 (F/W:3.0.4) and a DWM-157 with a Vodacom sim card.

First insure that the sim card is active and the dongle you are using is operating correctly.

Step 1)

Login on the router (192.168.0.1) with your admin username and password.



Login

Username
|

Password

[LOGIN](#) [CLEAR](#)

Step 2)

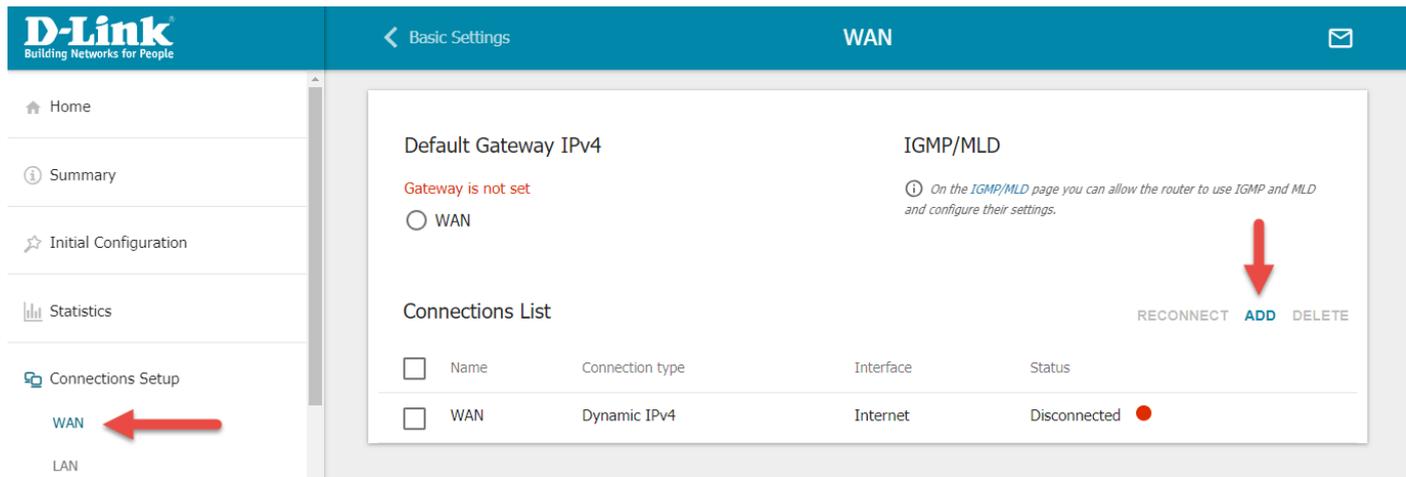
Navigate to "USB modem" then "Basic settings". Here you can see if your dongle is detected by the router.

A screenshot of the D-Link router's web interface. The top header shows the D-Link logo and "Building Networks for People". The navigation menu on the left includes: Statistics, Connections Setup, Wi-Fi, Print Server, USB Storage, USB Modem (selected), and PIN. The main content area is titled "Basic Settings" and contains two panels: "Settings" and "Information".
The "Settings" panel has a toggle switch for "Automatic creation of connection" which is turned on, and an "APPLY" button below it.
The "Information" panel displays the following details:

Vendor	MTK1
Model	MTK2
Revision	0.2.8
IMSI	655017701361886
IMEI	355621058761952
Signal level	45%

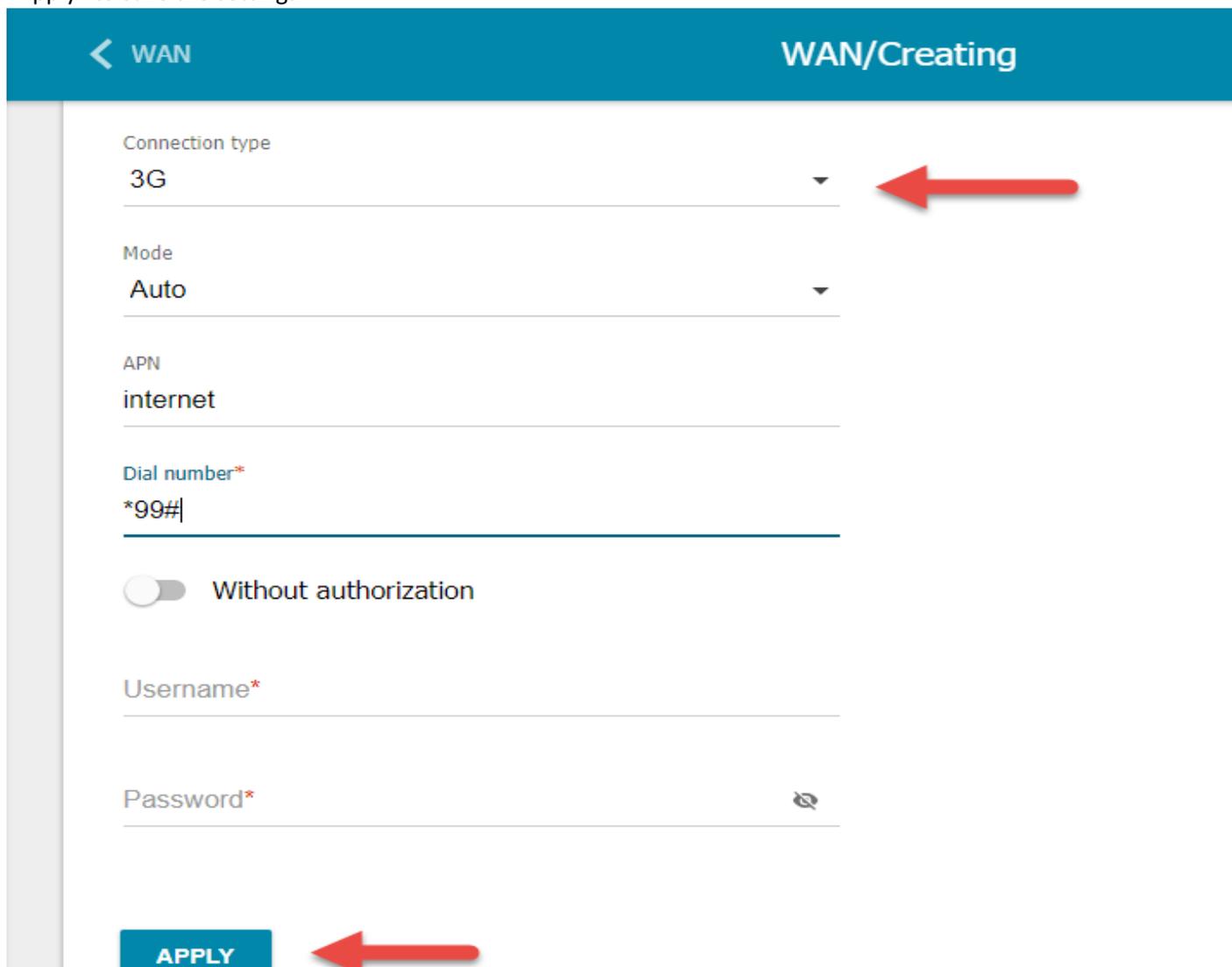
Step 3)

Navigate to “Connection setup”, then “WAN” and click the “ADD” button.



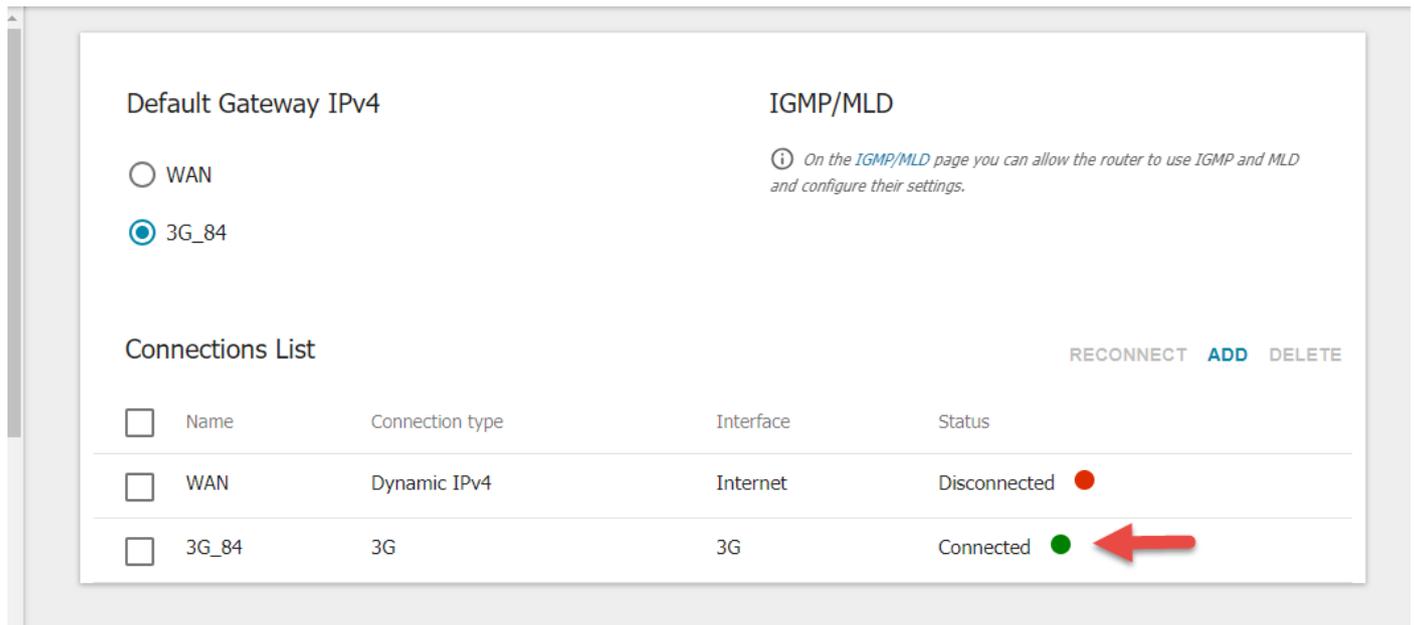
Step 4)

Choose the connection type 3G to change the type of WAN interface. Then leave the mode as Auto. The sim card APN is service provider specific (Known APN's are listed at the end of the setup guide). The “Dial number” is always *99#. The username and password fields are left blank (insure that “Without authentication” is selected). Click “Apply” to save the settings.



Step 5)

The new 3G WAN profile is created and active as shown by the green circle.



Default Gateway IPv4

WAN

3G_84

IGMP/MLD

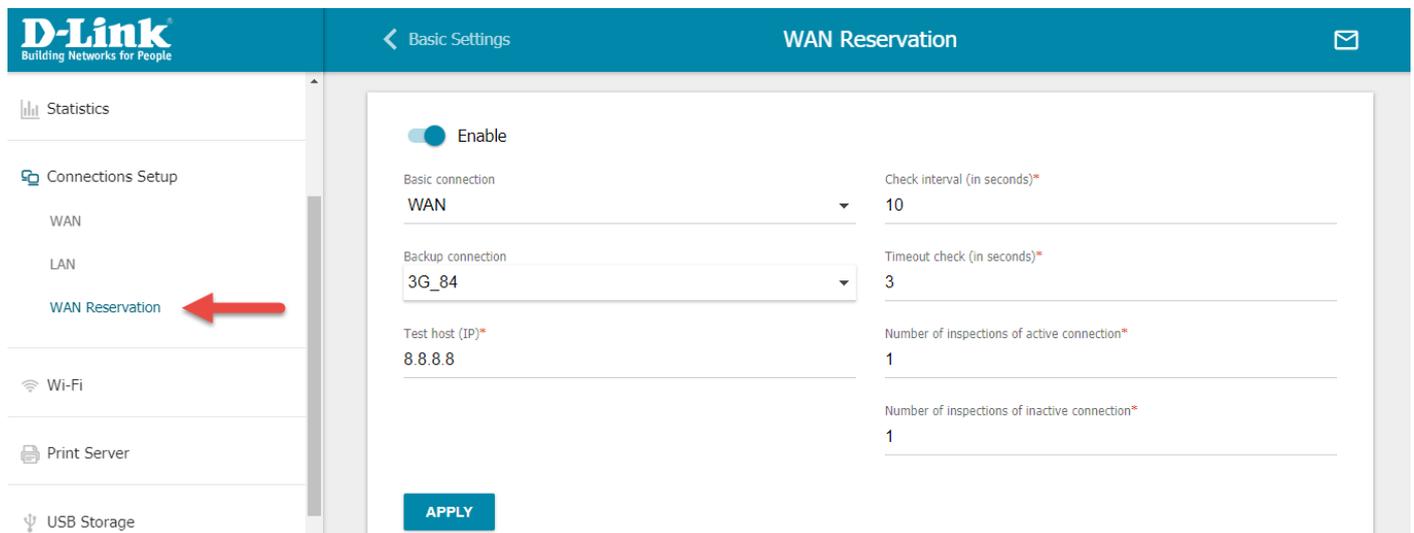
On the IGMP/MLD page you can allow the router to use IGMP and MLD and configure their settings.

Connections List RECONNECT ADD DELETE

<input type="checkbox"/>	Name	Connection type	Interface	Status
<input type="checkbox"/>	WAN	Dynamic IPv4	Internet	Disconnected ●
<input type="checkbox"/>	3G_84	3G	3G	Connected ● 

Step 6)

Navigate to “WAN Reservation” and enable it. Here you can choose the main internet connection and the one to use for backup. There is no other setting to change except for the connections (Basic and Backup). Then click apply.



D-Link Building Networks for People

Basic Settings WAN Reservation

Statistics

Connections Setup

- WAN
- LAN
- WAN Reservation 
- Wi-Fi
- Print Server
- USB Storage

Enable

Basic connection: WAN

Backup connection: 3G_84

Test host (IP)*: 8.8.8.8

Check interval (in seconds)*: 10

Timeout check (in seconds)*: 3

Number of inspections of active connection*: 1

Number of inspections of inactive connection*: 1

APPLY

Step 7)

Navigate to Connection Setup then WAN. Here you can see that all connections are active and primary source of internet is the normal WAN connection (Fibre) and the 3G connection will only activate if the Fibre goes down.

The screenshot shows the D-Link WAN Reservation configuration page. The left sidebar includes Statistics, Connections Setup (WAN, LAN, WAN Reservation), Wi-Fi, Print Server, and USB Storage. The main content area is titled 'WAN' and contains the following sections:

- Default Gateway IPv4:** Radio buttons for WAN (selected) and 3G_84.
- IGMP/MLD:** A note stating: "On the IGMP/MLD page you can allow the router to use IGMP and MLD and configure their settings."
- Connections List:** A table with columns for Name, Connection type, Interface, and Status. It includes buttons for RECONNECT, ADD, and DELETE.

Name	Connection type	Interface	Status
WAN	Dynamic IPv4	Internet	Connected ●
3G_84	3G	3G	Connected ●

The screenshot shows the D-Link WAN Summary page. The left sidebar includes Summary, WAN, LAN, WAN Reservation, Wi-Fi, Print Server, and USB Storage. The main content area is titled 'WAN' and contains the following sections:

- Default Gateway IPv4:** Radio buttons for WAN (selected) and 3G_84.
- IGMP/MLD:** A note stating: "On the IGMP/MLD page you can allow the router to use IGMP and MLD and configure their settings."
- Connections List:** A table with columns for Name, Connection type, Interface, and Status. It includes buttons for RECONNECT, ADD, and DELETE.

Name	Connection type	Interface	Status
WAN	Dynamic IPv4	Internet	Disconnected ●
3G_84	3G	3G	Connected ●

List of APN's

- Telkom TelkomInternet
- Vodacom internet
- CellC internet
- MTN internet