

Cradlepoint IBR600C Modem Configuration Steps

WARNING: Follow all of these steps closely to avoid exceeding data allowance. Make sure all settings are adjusted to what is suggested. If data allowance is exceeded, product will cease to work.

Once setup do not use this device for anything other than BLU

Overview

The following document outlines how to set up and configure the Cradlepoint IBR600C modem once the current 3G modems become obsolete. The customer should swap out the BLU SIM card, inserting it in the IBR600C modem and proceed with the following steps.

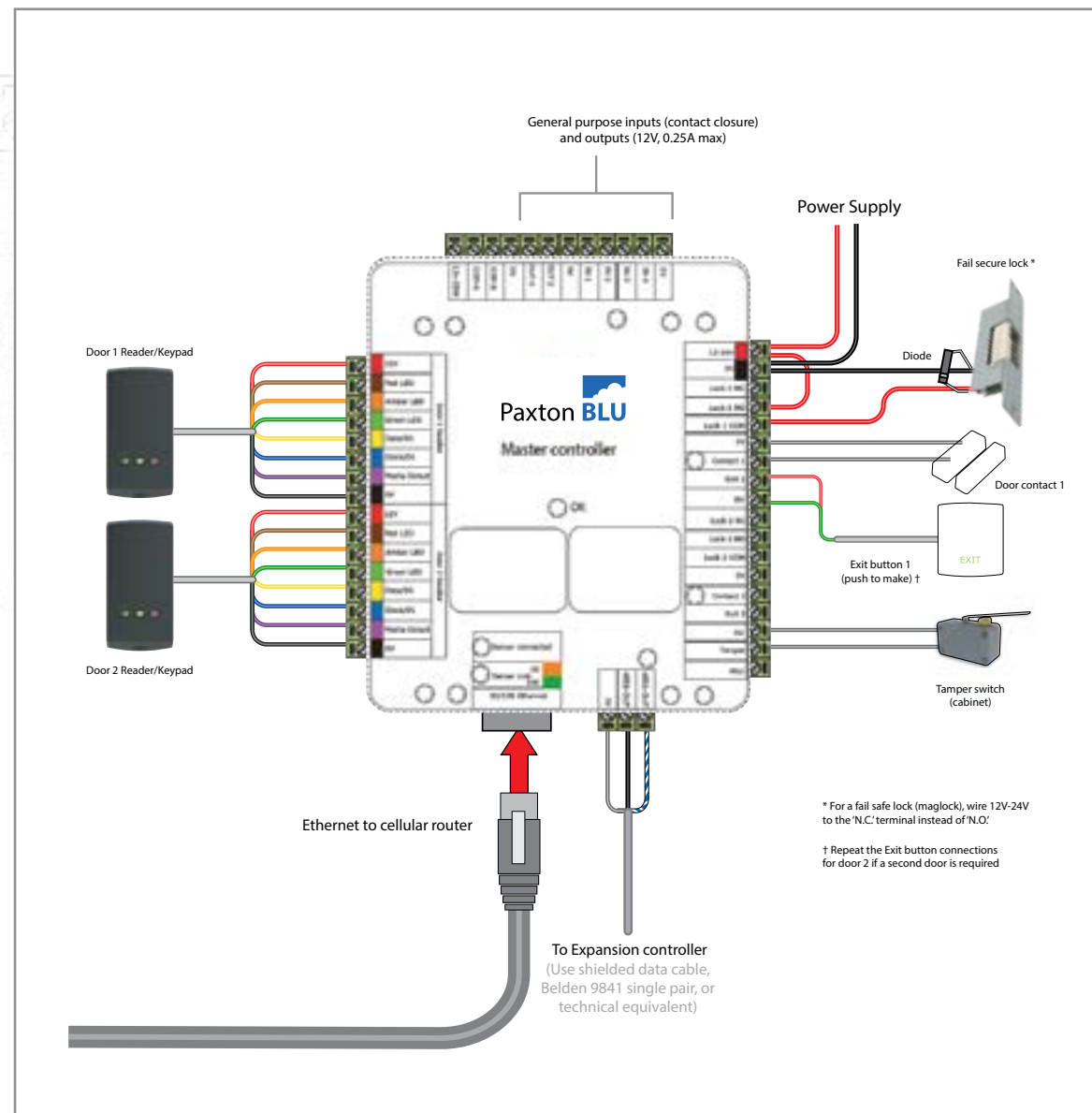
Cradlepoint setup

1. Remove sim card from previous modem
2. Place in Cradlepoint
3. Connect Cradlepoint power
4. Use laptop/computer to connect to cradlepoint and then run configuration steps outlined in the app notes
5. Disconnect the laptop
6. Connect Cradlepoint to Blu master controller using the ethernet cable
7. Check in the Blu web portal that your device is back online

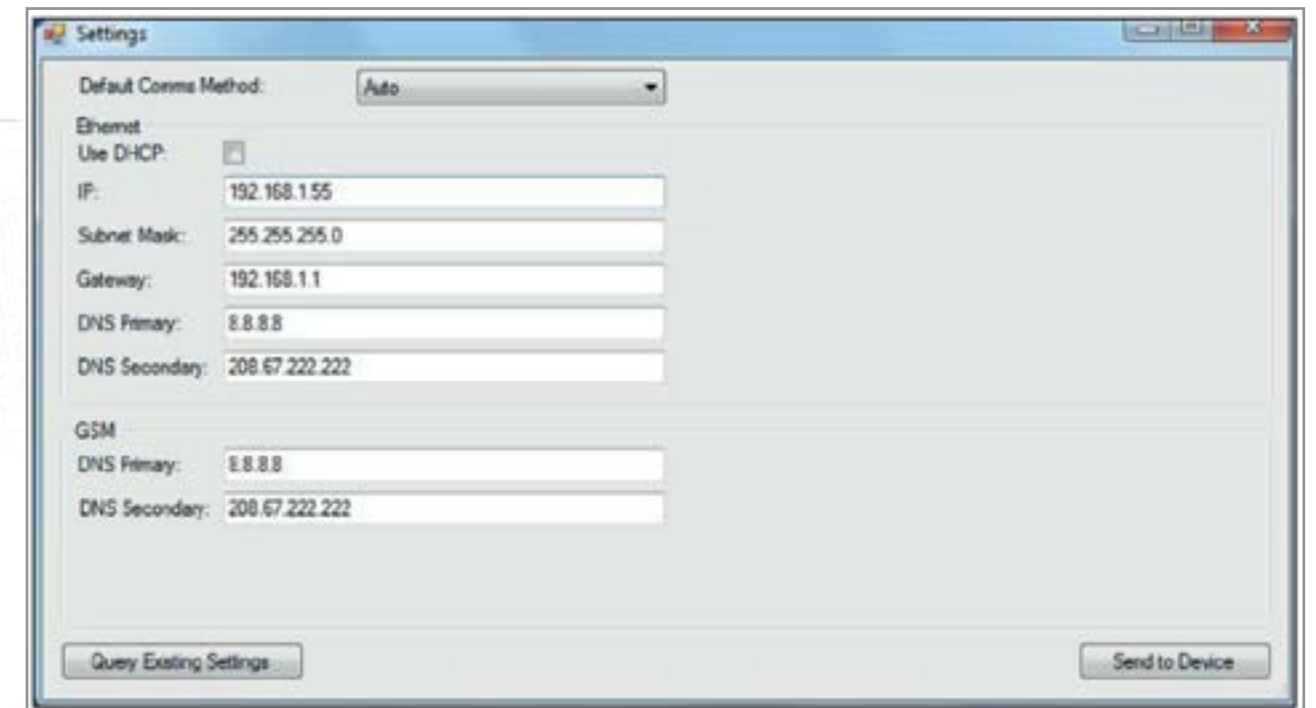
IMPORTANT: Please be aware that ALL of the configuration steps will need to be followed closely. If the modem is not correctly configured, data usage will be too high causing the BLU sim card to no longer work



Connecting the modem



Communication Settings



The 'Communication Settings' button displays a number of settings with default values (see below). You can query the existing settings.

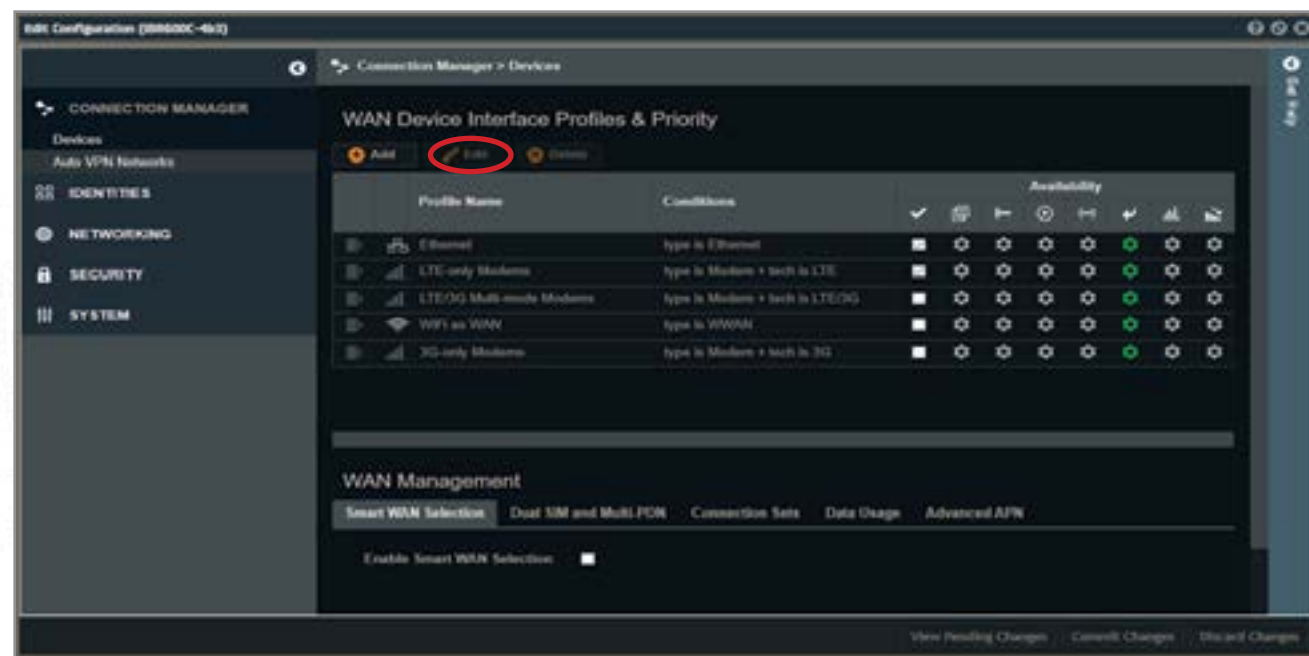
You may select the Default Communication Method from the drop down list. Please select 'Auto' or 'ethernet'.

Software Configuration

1. Login to the cradlepoint device from the default gateway.

Note: If you don't know your default gateway, follow these steps:
Start Menu > CMD > ipconfig /all > Look for the default gateway > Close window and input that address into your web browser.

2. Select Connection Manager

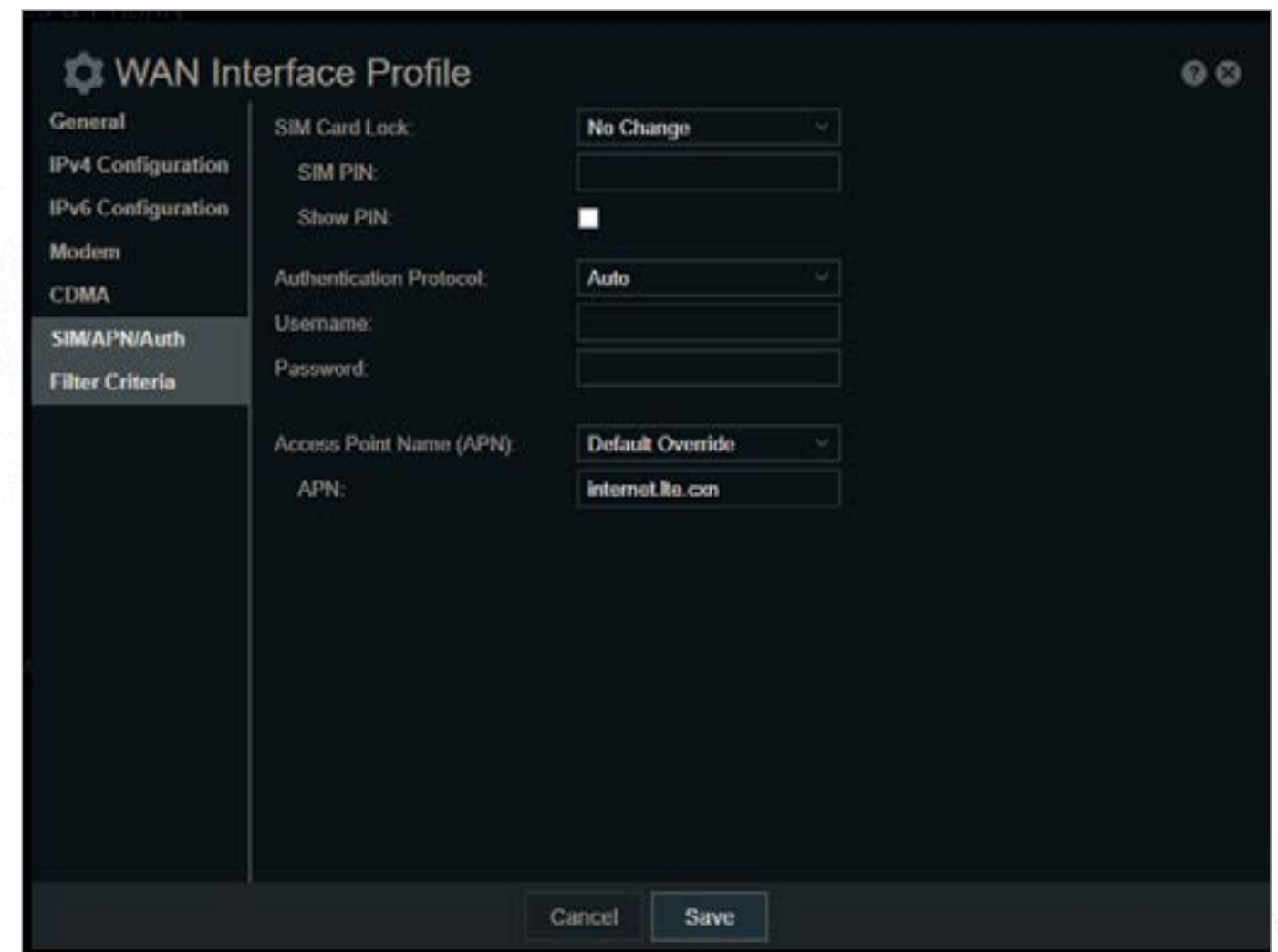


3. Select **LTE/3G-multi-mode Modems**, once selected it will be highlighted in grey.

4. Select **Edit** (on the top ribbon)



Under Edit Configuration (WAN Interface Profile) Look for **SIM/APN/Auth**

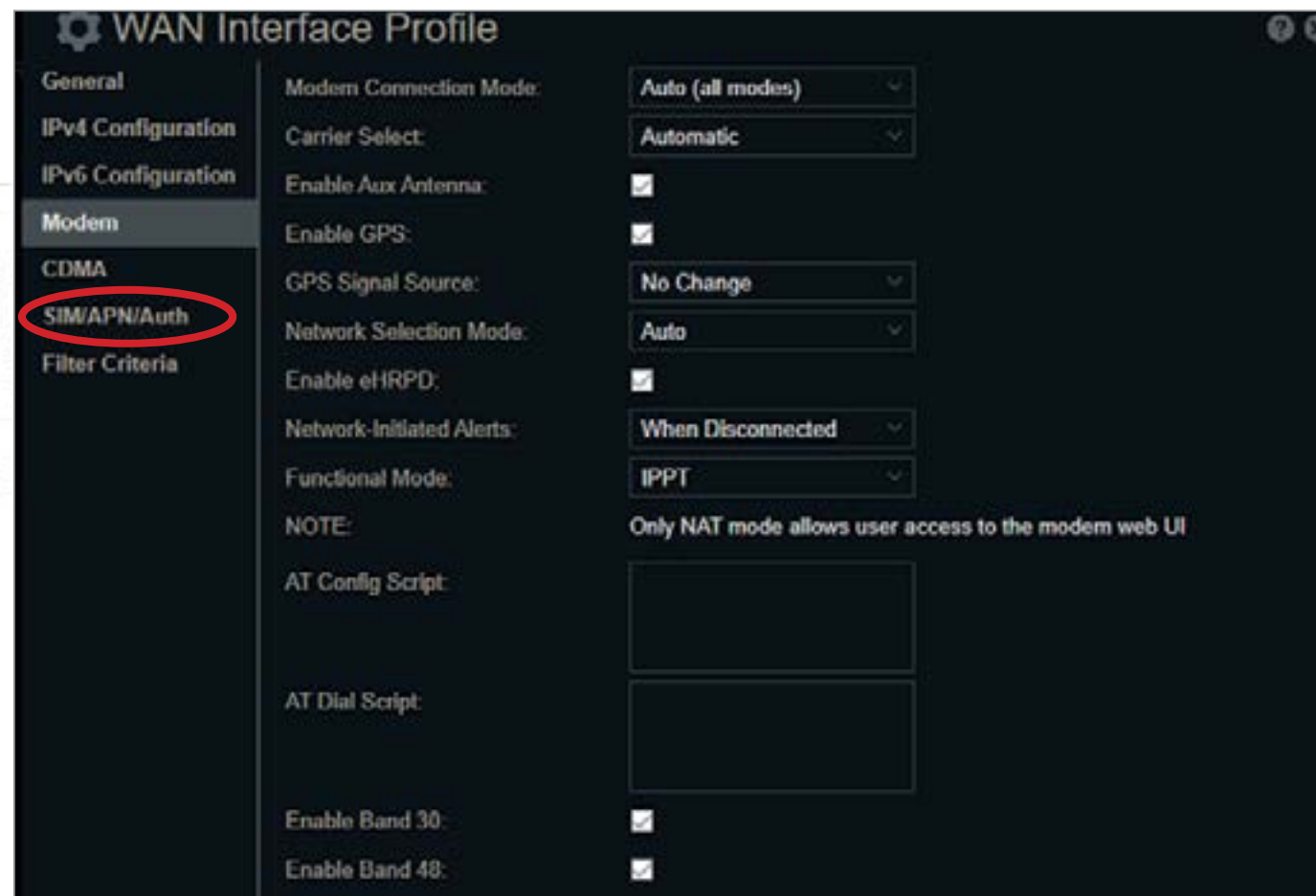


5. Reselect **SIM/APN/Auth** at the bottom left side of the Edit Configuration screen

6. Once you have selected **SIM/APN/Auth** you will need to look at the authentication protocol

Leave set to auto > Input the username and password if required for the APN > Default (Bottom Right) > Select Default Override from the drop down > Input the APN settings > Select **Save** at the bottom.

7. Select Modem > Look for Enable GPS > Deselect this > Select Save at the bottom > **Close** the window



8. On the Connection Manager interface **uncheck** 3G only Modems.

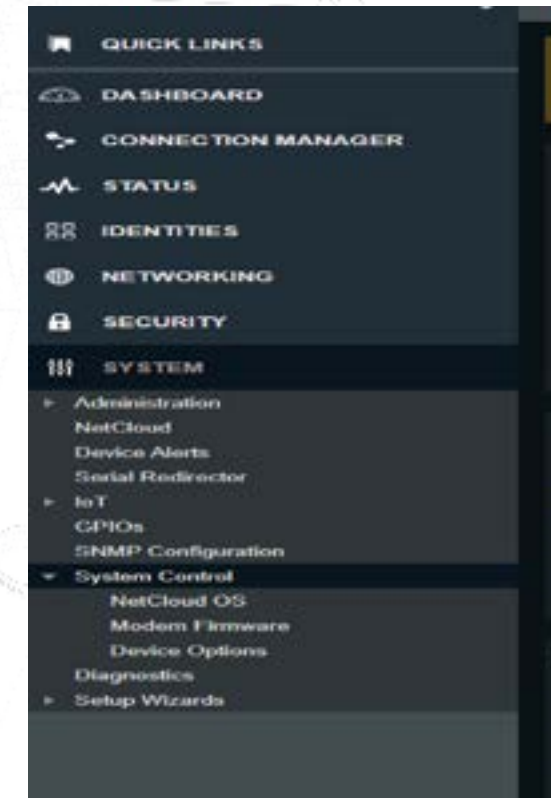
The connections left should be **Ethernet**, **Ethernet WAN**, **Wifi as WAN**, **LTE-only Modem** and **LTE/3G-multi-mode Modems**.

Select **Commit Changes** at the bottom



Disable NTP checks

Select System > Administration > System Clock > Uncheck the option for Enabled under Network Time Protocol (NTP)



Disable Automatic Firmware updates

Select System > System Control > Modem Firmware > Uncheck the option for Automatically check for new firmware

To download and upload a config file

Select System > System Control > Netcloud OS > Download, Restore, Restore and upgrade