



## Evolution Modem Quick Start Guide: EVO\_AN\_009



**YOU MUST KNOW YOUR SERVICE REQUIREMENTS BEFORE CONFIGURING THE MODEM FOR OPERATION OVER SATELLITE. THERE ARE NO DEFAULT MODEM SETTINGS FOR A SATELLITE SERVICE.**

# 1

### Information that you require: (As a minimum)

1. Modulator & Demodulator carrier frequencies and power.
2. Satellite framing service requirements.
3. Terrestrial data and base-band requirements.
4. Forward Error Correction requirements.
5. Modulation scheme requirements.
6. System clocking topology.
7. To configure the Modem via the WUI an M&C IP address/Subnet mask will be required.

# 2

### Power up:

Apply power to the **Evolution Series** modem using the power lead supplied. When power is applied wait for the modem to complete initialisation. Once complete press **[Main]**. You are presented with the menus:

**1: Status    2: Edit    3: View    4: Test**



There are two ways to make choices using the **Evolution Series** menu system you can either highlight your choice using the Arrow Keys and press Enter to select or you can press the associated numeric key on the keypad. Alternatively, you may enter an M&C IP address, Subnet mask and configure the Modem using the Web User Interface. (WUI)

**Please note:** There is also an on-line **user manual** available from the WUI under the help menu.

# 3

## Configuration:

All changes are done in the **Edit** menu. Enter the **Edit** menu by pressing [2] on the keypad or highlight and press [ENTER]. You are presented with menus:

1: All      2: Tx      3: Rx      4: Unit      5: Memories

Enter the **All** menu to be taken, step-by-step, through the essential parameters that need configuring for basic modem operation. At each step you are presented with either choices, or a request for a value. Make a choice either by pressing a number or highlight the value using the **Arrow** Keys and press **Enter** to select.

### Current Operational Setting

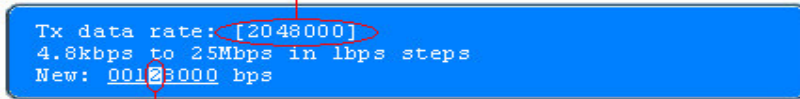


Unavailable

Highlight

Enter a New value either by pressing a number sequence or by using the **Arrow Keys** highlight each character and nudge the value up or down. Press **Enter** to accept the New value.

### Current Operational Setting



Highlight

# 4

## Set-up Completion:

Pressing the **Enter** Key takes you to the next step in the **Edit-All** menu. Once you have completed each step you have successfully set-up the **Evolution Series** modem. **You are now ready to operate.**

# 5

## Alternative Configuration via WUI:

First enter an IP address into the Front Panel menu: **Main, 2:Edit, 4:Unit, 3:M&C, 8:IP address and 7:Subnet mask**. Then connect a PC to the M&C Ethernet interface using a straight CAT5E cable. The Modem should have an IP address and subnet mask within the same subnet range as your PC. Simply enter the modem IP address in to the browser address bar and the Web User Interface will appear.

A login is required on the modem interface. The default user name is: admin and the password is: paradise You may have to change the Modem from `local` control to `takeaway` to allow PC control of the Modem via the WUI to facilitate configuring the Modem. (On the Modem keypad select: **Main 2:Edit, 4:Unit, 3:M&C, 1:Control**).

# 6

## Functional Test:

A functional test is available to be recalled from the Modems memory as a user confidence test. From the **Main** menu select: **2:Edit, 5:Memories**, and use the **down arrow** to select **Functional\_Test** and press enter. This configures the Modem using basic parameters and loops back the transmit path to the receive path. Please check the front panel LED's are green, the Test LED is Amber and that the Demodulator has locked. (**Main, 1:Status, 3:Demodulator**)