

Setting up the Hiper+ PDL radio

The Base PDL radio will start with the default channel set. It can be changed by selecting the channel button on the front of the unit. Each channel sets a different frequency depending on how they were setup. To change the defaults or the frequencies allocated to each channel you need to use a program called PDL Config installed on your computer and connect your computer to the radio using a special cable.

Setting up the PDL radio in the Rover (Hiper +)

Method One. Connect the Data controller to the Hiper + unit and turn on the Hiper+, start SurvCE select Equip, Receiver Utilities, Set rover radio, the software will display some of the settings in the unit and allow you to change the channel. This is ok if you know what channel has what frequency.

Method Two. Connect the charger to the unit. Connect the Hiper+ to your PC using the same cable that connects Hiper+ to the controller, turn on the Hiper+. Run the program PC-CDU (This can be downloaded from the Stadia Website and installed on your PC) select the com port and baud rate of 38400 and select connect. The program connects to the Hiper+ and displays details of settings in the unit. Select - Configuration –Radio – RFM96, Select port C and connect, the software will look at the values in the unit and display them. You may be able to select a channel that suits from the list. If it exists select it and apply this will apply the values to the unit, select disconnect to exit back to the main screen. Select Tools – Clear NVRAM select OK and yes and connect. The ram will be cleared and you will be connect to the Receiver Configuration form. Select Ports and under Serial C Input – CMR, Output none, Baud rate 38400 and tick RTS/CTS the Apply the OK the File exit.

Method Three. Connect the charger to the unit. Connect the Hiper+ to your PC using the same cable that connects it to the controller, turn on the Hiper+. Run the program PC-CDU (This can be downloaded from the Stadia Website and installed on your PC) select the com port and baud rate of 38400 and select connect. The program connects to the Hiper+ and displays details of settings in the unit. Select - Configuration –Radio – RFM96, Select port C and connect, the software will look at the values in the unit and display them. You need to select a channel that represents the frequency you require if it not in the list select the cross in the top right hand corner of the form, the software will display a message, *Do you want to exit and stay in daisy chain.*, say Yes. You will be exited from the program to the main menu select file exit.

Start PDLConfig (program can be downloaded from the Stadia Website) and select the PDL icon in the top left corner, select the correct serial port , Set capture method to Soft Break, now select Load, this is a more detailed radio Config program, when it has loaded select Frequencies and next to channel you want to use type in the frequency , for example 461.0250 for both TX and RX, select the Radio tab and select the channel from the pull down list. Select Program from the buttons on the left hand side. After it has finished select exit the start PC-CDU again and connect to the unit, Select -

Configuration –Radio – RFM96, Select port C and connect, the software will look at the values in the unit and display them. It should now display the Channel and frequency you set if all ok select disconnect to return to the main menu. Select Tools – Clear NVRAM select OK and yes and connect. The ram will be cleared and you will be connect to the Receiver Configuration form. Select Ports and under Serial C Input – CMR, Output none, Baud rate 38400 and tick RTS/CTS the Apply the OK the File exit.