

UNI-IR

User Instructions



...connecting to the aftermarket

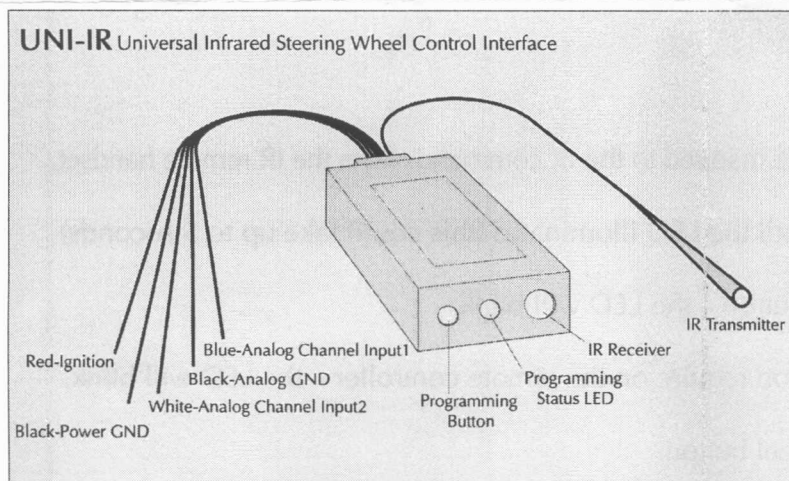
Tools Required

To install Uni-IR you will need a multimeter capable of measuring up to 20 volts (an auto-ranging instrument is best)

Compatibility

- Uni-IR is compatible with most IR remote control system operating at 36 – 40Khz. It is not suitable for Sony HiR models.
- Uni-IR enables control of an aftermarket head unit (with IR control) from the steering wheel controls. The head unit must have a remote control handset for Uni-IR to learn from.
- Uni-IR provides support for 2 analog chains with up to 10 buttons on each chain. Once the IR commands have been learned the data will be stored in flash memory to ensure retention when power is removed.

Connecting to the vehicle



| Pin | Colour | Function |
|-------|-----------------------------|------------|
| 1 | Red | IGN |
| 2 | Black | GND |
| 3 | White | Analog 1 |
| 4 | Blue | Analog 2 |
| 5 | Black | Analog GND |
| 6 | No connection | |
| 7 & 8 | Pre-wired to IR transmitter | |

If the vehicle has only one analog wire it must be connected to the Analog 0 input (Blue wire) It is important to connect Analog GND to the same GND as the steering wheel controls, If any other GND is used, operation may be unpredictable.

You will need to find the analog wire(s) to the radio. To do this, release the radio from the dashboard but do not disconnect it. Adjust the meter to measure DC voltage and connect the negative test lead to the case of the radio, turn on the ignition and, with the other test lead, measure the voltage on each connection to the radio while pressing and releasing the VOL DOWN button.

www.connects2.com

T: +44(0) 845 257 5588 . F: +44(0) 121 522 5589 . E: sales@connects2.com



...connecting to the aftermarket

Once you have found a wire whose voltage reading changes, press each button to ensure that they are all connected to this wire. If one or more buttons do not give a reading it is probable that the vehicle has a two channel control system installed. Select a button which gives no reading and repeat the procedure. This will help you to identify the other control wire. Make a note of these wires.

BEFORE CARRYING OUT THE NEXT STEP YOU ARE STRONGLY ADVISED TO DISCONNECT THE BATTERY.

To find the Analog Ground disconnect the radio.

Adjust the meter to read Resistance and connect either test lead to the Analog wire detected earlier. Press and hold the VOL DOWN button while connecting the other test lead to each wire in turn. Once a reading has been obtained, release the button. If the reading changes, you have identified the Analog Ground.

Make all of the connection to the vehicle. If only one Analog wire is required you must use the Blue wire and insulate the white wire. Do not permanently install the wire to the IR transmitter at this stage.

Programming the UNI-IR

During the process steering wheel buttons are mapped to the IR commands from the IR remote handset.

Press and hold the programming button until the LED illuminates (this could take up to 5 seconds)

Within 10 seconds press a steering wheel button – the LED will blink.

Within 10 seconds press the function that you require on the remote controller – the LED will blink.

Repeat this procedure for each steering wheel button.

Programming mode will terminate if the adapter sees no activity for more than 10 seconds.

Hold the IR transmitter about 30cm away from the radio and check that each steering wheel button functions correctly.

Install the IR transmitter where it can point at the radio without any obstructions.

If the buttons appear to function erratically, adjust the position of the IR transmitter.

www.connects2.com

T: +44(0) 845 257 5588 . F: +44(0) 121 522 5589 . E: sales@connects2.com

