# Rear connectors

There are two connectors at the back of the radio:
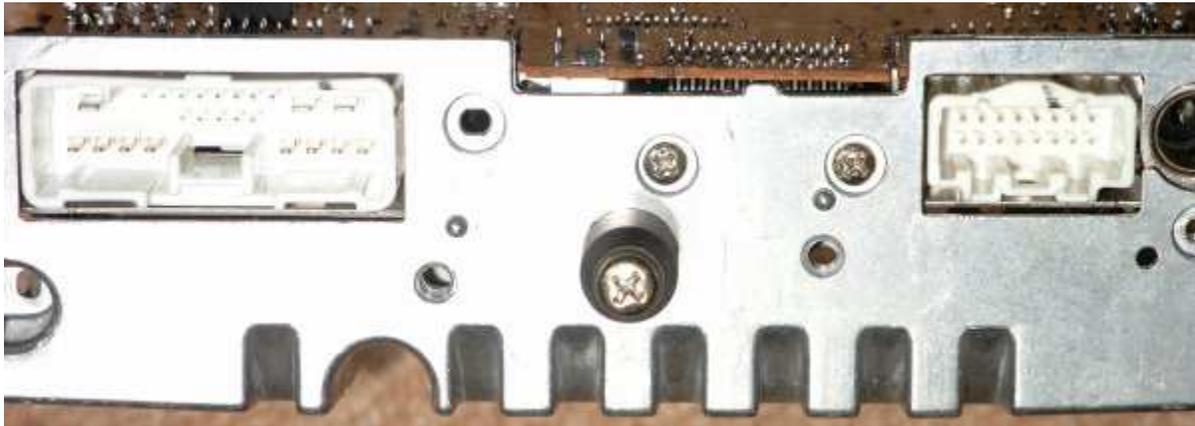
Main socket

The socket at the back of the radio for power/speakers/etc looks like this:
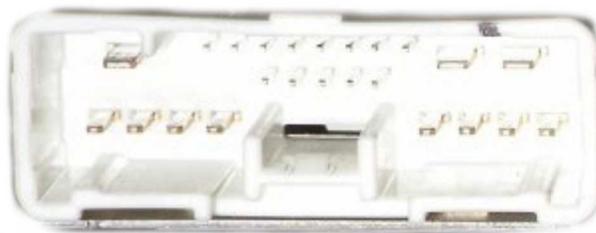
You probably want details of those pins. Ok, we'll call the three biggest pins 1,2 and 3 (from left to right). The smallest pins are 4 to 11 for the top row and 12 to 16 for the second row. The eight pins at the bottom are 17 to 24. Some of the pins don't have wires connected by default (at least in my car - they're probably used for some optional extras).

Pin	Wire	Function
1	Orange/black	Power (+12v)
2/3	Black/green	Ground
4	Orange/black with silver dots	Lights (+12v)
5	Black/green with silver dots	Dash brightness (0v = bright, 10.3v = dim)
6		
7		
8		
9	Grey/red with silver dots	2v from radio?
10	Blue/red	12v from radio?
11	Yellow with silver dots	Ignition (+12v)

12		
13		
14		5v from radio?
15	White/black with silver dots	5v from radio? Steering remote data?
16	Brown/yellow with silver dots	Ground?

17	White/black	Front left audio
18	Grey/black	Front left ground
19	White/red	Front right audio
20	Grey/red	Front right ground

21	White/purple	Rear left audio
22	Grey/white	Rear left ground
23	White	Rear right audio
24	Grey	Rear right ground

So - in order to power the unit up outside the car, you'll need to stick 12 volts into pins 1 and 11 and ground pin 2 or 3. I used an old PC power supply and some crocodile clips!

Accessory socket

The accessory socket at the back of the radio looks like this:

So, calling the top row pins 1 to 8 from left to right and the bottom row 9 to 16, we get the following:

Pin Function

1	0v?
2	Audio in (Right -)
3	Audio in (Left -)
4	Not connected
5	Not connected
6	Bus data (5v TTL, .3MHz data)
7	Not connected
8	Power (+12v)

9	Ground
10	Audio in (Right +)
11	Audio in (Left +)

12   Signal ground

13   Not connected

14   Bus ground

15   Not connected

16   +12v?

4 CD-ROM audio connectors (such as Maplin's ZV00A) fit nicely in here. You can use two of them to grab 12v, ground and bus data from pins 6, 8 and 9.