



## Amherst Walkie Talkie Radio Centre

### Walkie Talkie Radio – Audio Connector Types





All walkie-talkie radios do not use the same type of connector plug/socket for attaching earpiece/microphones, speakers or headsets.





There are many different connector types on the market.

Even different models of radio made by the same company may have different audio sockets.

And just to make things even more complicated, just because two different radios have the same physical connection socket, it does not always mean that they are internally wired up in the same way, so it is not possible to automatically assume that the same socket means the same accessories work in both radios.

We describe some of the most common walkie-talkie connector types below:

Connector Name	Picture	Description
M1		<b>Motorola "M1" Connector</b>  Two jack plugs, one 3.5mm the other 2.5mm, centres 8mm apart.  Used on many Motorola professional radios (GP300, GP320, CP040, XTN446 etc) also on some Kirisuns (PT568, PT6500), Lynx PT600 and many other makes of radio.
M2		<b>Motorola "M2" Connector</b>  Single 2.5mm jack plug with 3 electrical connections.  Used on Motorola's "consumer" range of radios, and also on Cobra radios.  <i>This will not work on Binatone radios, even though the plug is physically identical.</i>
B		<b>Binatone "B" Connector</b>  Single 2.5mm jack plug with 3 electrical connections.  Used on Binatones Terrain, Latitude, Action and other radios.  <i>This looks the same as the Motorola M2 plug, but is wired up inside differently – make sure you choose the right one for your radio!</i>
K1		<b>Kenwood "K1" Connector</b>  Two jack plugs, one 3.5mm the other 2.5mm, centres 11.5mm apart.  Used by Kenwood, also by Kirisun, Linton, Puxing and many other smaller radio makers.

I1		<p><b>ICOM "I1" Connector</b></p> <p>Two jack plugs, one 3.5mm the other 2.5mm, centres 10.5mm apart.</p> <p>Used on ICOM radios.</p>
I2		<p><b>ICOM "I2" Connector</b></p> <p>Two jack plugs, one 3.5mm the other 2.5mm, centres 10.5mm apart.</p> <p>Used on some ICOM radios and also on older Cobra Models.</p>
M3		<p><b>Motorola "M3" Connector</b></p> <p>This connector is used on some newer Motorola professional walkie-talkie radios.</p>
Y		<p><b>Yaesu / Vertex "Y" Connector</b></p> <p>Single jack plug with 4 electrical connections.</p> <p>Used on Yaesu and Vertex walkie-talkies.</p>

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