
Using a Yaesu FT-8800R with a J&M Integrtr Iv

Author: Josef Zeevi

How to hook up a HAM radio to a J&M Integrtr IV.

The J&M Integrtr IV may be the best add-on intercom out there. With built in FM, and multiple priorities (and a dedicated cell phone input) it covers the gamut of things you might want to do on a motorcycle. There's also a way to wire up a remote PTT and a MUTE button (that softens the music/radio input). I put a remote PTT under the clutch assembly on my bike so I can hit the button without giving up motorcycle control.

However, the designer didn't clearly document the FRS/GMRS radio interface.

So, I tested it and found that the following worked with my FT-8800R.

First off, I had to identify the pins on what is a standard PS-2 connector. Looking at the pins, with the key (a small bar that runs vertically) let's call the upper left pin, pin 1. Then going counter-clockwise, they increase in number, ending in pin 6 as the upper right pin.



For use with my FT-8800R I wired as follows:

pin 1 is ground

pin 6 as PTT

pin 2 as the input from the radio speaker

pin 5 as the microphone output from the integrtr to the radio

pin 4 as microphone ground

On the integratr there is a high priority input that puts whatever comes in on the right headset speaker, overriding other source inputs. I use that most of the time with my radio so I can listen to music when there's no radio traffic. For high-use radio, I can plug the speaker output of the radio into a connector I added to the PS-2 connector. When audio is input there, the sound appears in both headset speakers, overriding the music/radio input.

This article is printed with permission from mods.dk the 22-12-2007. This printed article must only be used for non-commercial purposes; this is only for private use.

© Copyright mods.dk 1996 - 2007