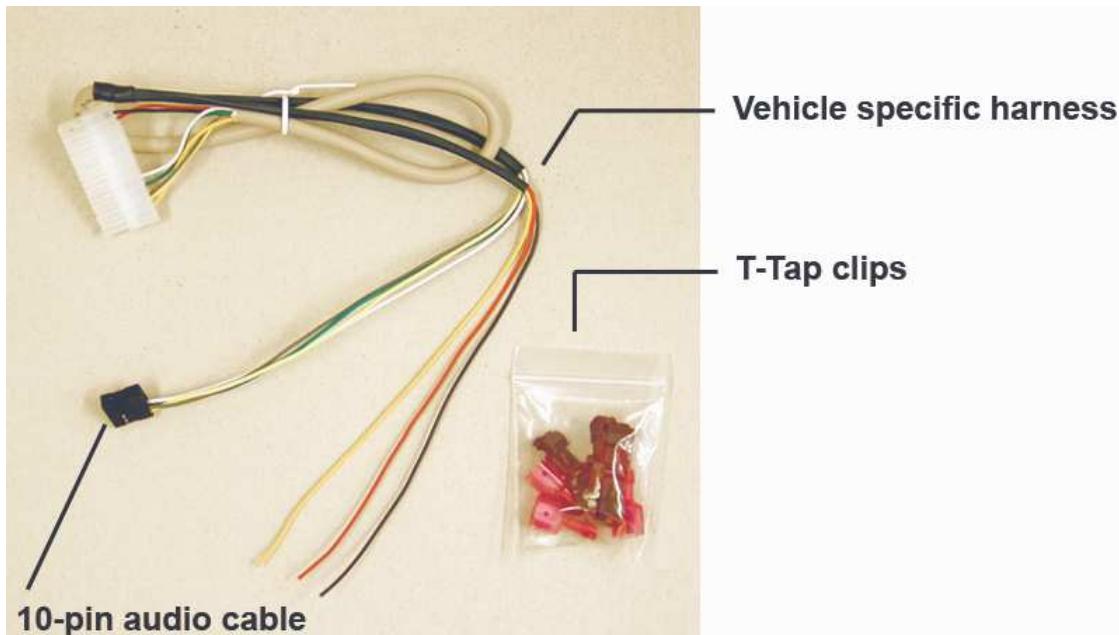


GROM Interface Installation into BMW cars

Dashboard Mounting Instructions



Picture 1

Tools needed

1. The wire crimp tool (optional)

Preparation

1. Turn off the car engine and remove the key from the ignition
2. While using the stereo removal tools carefully remove the radio from the dash pocket
3. Locate the vehicle specific cable and T-Tap clips that came with your adapter (picture 1)
4. At the back of the stereo locate harness which connects your radio to the car. It should have pins like shown below (either of two shown) on a diagram 1

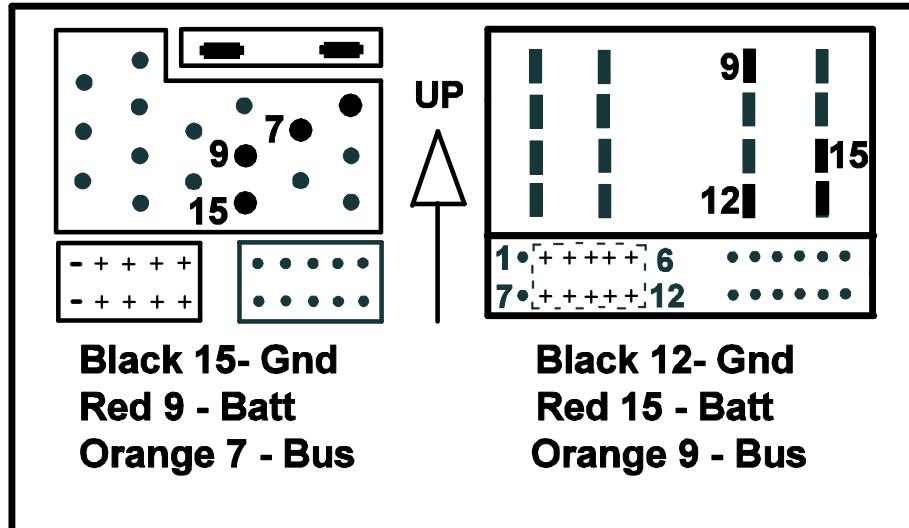
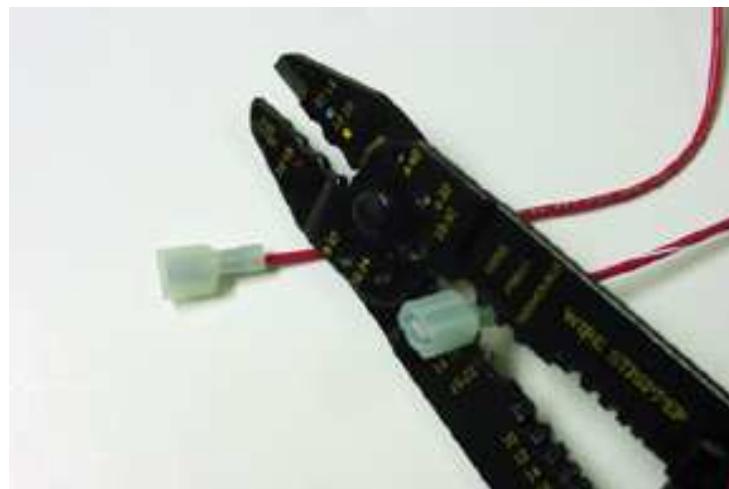


Diagram 1

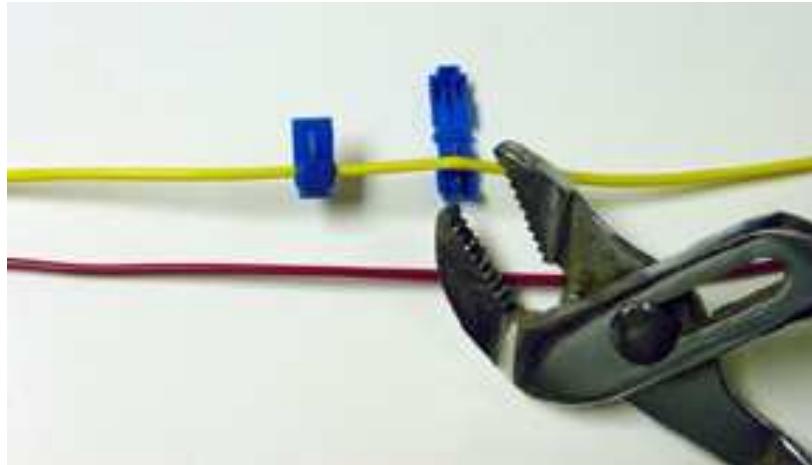
5. 3 wires coming out of adapter's vehicle specific cable are marked with the colors (black, red and orange). Depending on your harness you need to connect those wires to the appropriate car stereo wires according to the diagram 1 above
6. To simplify the installation 3 T-Tap clips have been included with the adapter. Secure male terminals on the wires coming out of the adapter so you have it like shown below (picture 2)



Picture 2

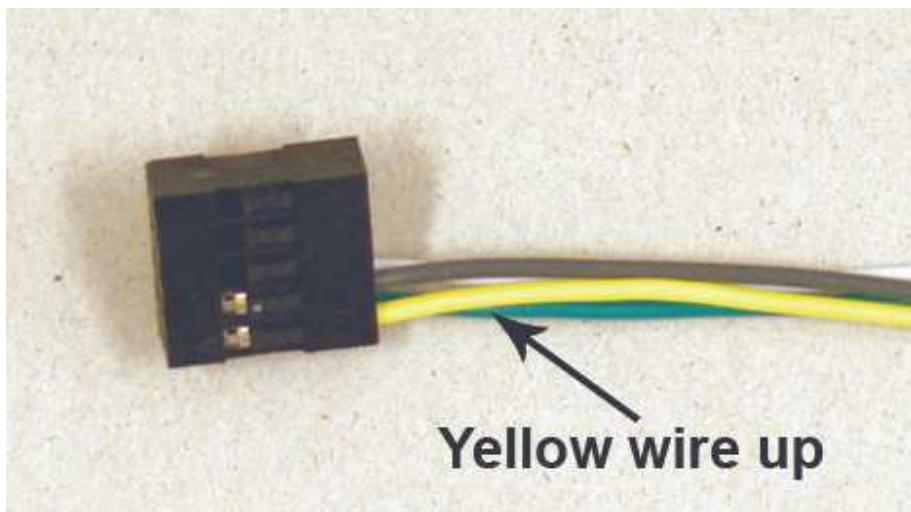
Adapter installation

7. Locate appropriate wires on the car stereo harness (refer to the diagram 1 above)
8. Snap the T-Tap clip over the wires so it is fastened (picture 3)

**Picture 3**

9. Now you can attach the male terminal to the appropriate T-Tap according to the harness diagram and the color of the adapter wire.
10. Use the 10 pin black connector (audio cable) coming out of adapter's vehicle specific harness and attach it as shown on a diagram 1 to the car stereo (shown as dotted rectangle with '+' signs).

Note: Make sure the yellow wire on that connector is looking up (picture 4)!

**Picture 4**

11. Find the place for the GROM. In all BMW/Mini there is enough room inside the dash to place the GROM.

Note: Make sure you put the GROM in the place with enough room so when you mount the car stereo back you do not break the adapter

12. You may use glove box or other spaces in the dash to direct the cables out
13. Mount your car stereo back into the dash, make sure its clips are securely fastened

14. Now you can turn your car stereo on and switch it over to CD Changer mode. It should show Disk 1, Track 01 on a display. If it is not - see Troubleshooting section.
15. Congratulations! You have installed GROM adapter and you may use it right now with your portable player.

Troubleshooting

IBus wire may get lose

Some people report that using our T-Tap clips, the IBus wire may not receive proper connection due to its wire size. We recommend to make sure that the IBus wire is securely attached by using multimeter or slightly tighten up the T-Tap connector so its slot get smaller.

Audio is not coming from the speakers

The 10 pin audio connector on the vehicle specific harness is not inserted properly. Make sure that the audio connector is inserted properly. It should be connected with yellow wire up (see the picture 4).

Sound comes only from 1 channel

The 10 pin sound connector (picture 4) is not aligned correctly. Make sure that the 10-pin sound connector on the vehicle cable is aligned correctly.

Other problems not listed here

Please refer to the GROM User Manual in your package.