

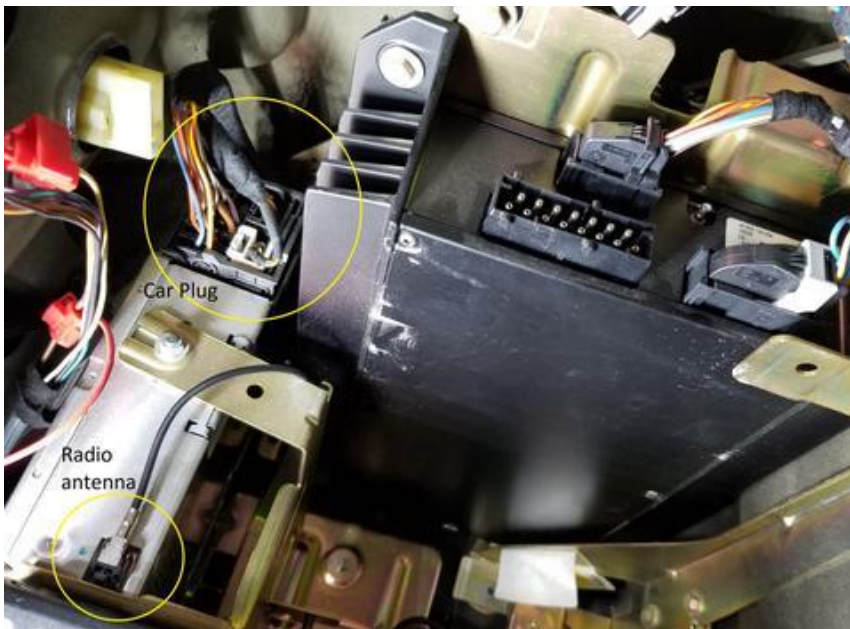
DYNAVIN EXTENSION CABLE INSTALL GUIDE FOR BMW E46/E39/E53 WITH OEM NAVIGATION ONLY

If your BMW E46/E39/E53 has OEM navigation, your car's main plug is in the trunk – typically on the left side of the trunk in the E46/E39 or in the center under the spare tire in an E53. This particular install requires the Dynavin extension cable and antenna extension cable (sold separately) which will need to be run to the trunk (along the door sills and behind the rear seat) in order to plug into the car's main plug. This will bypass the OEM factory nav and allow the Dynavin to integrate with the car's factory audio system. On the vehicle application search on our website, be sure to select with OEM nav if appropriate for your car. If you're not comfortable with this part of the installation, we recommend finding an installer (particularly one familiar with BMWs).

Questions? Email us at support@DynavinNorthAmerica.com

1. Before removing the factory radio, check its audio settings and be sure that it is set to a default audio setting. The factory amp retains the settings of the factory radio so when you install the Dynavin radio, it will use those same settings which can cause an echo in all audio sources. Set it to a default setting before removing the factory radio.
2. Locate the car's battery cable and be sure to run the extension cable on the opposite side of the battery cable. Otherwise, you are likely to get engine noise and static.
3. The extension cable (the "Fakra" cable) extends all the wiring from the radio in the trunk to the Dynavin in your dash. You will locate the square car wire harness (pictured below) and unplug it from the OEM radio module. You will then plug in that square car wire harness into ONE of the appropriate short wire harnesses included with the Dynavin (either round or flat pin). The other end of the short wire harness --that is now plugged into the car plug-- will plug into the long extension cable. You will run this cable up to the dash and plug it into the Dynavin.
4. The extension cable comes with an antenna extension as well. You will plug one end into the radio antenna input (pictured below) and the other end will run to the dash and plug into the teal plug on the Dynavin.
5. Finally, you will need to make a separate connection for the button lighting using the loose orange wire (see the "Button Lighting" section below for details). So have the orange wire at the dash end.
6. If you have OEM DSP, your installation is no different. All you need to do is go to the main menu > Audio > scroll down and select OE DSP Amp to enable audio through your DSP amp.

***Be careful to note the location of the battery cable in your car, running the extension harness near the battery cable can cause noise/static issues. Standard practice is to run the signal cables (including the extension harness) down the opposite side of the car from the battery cable.**



(BMW E39 w/ OEM nav pictured above; will vary by model)

Extension Cable & Antenna Extension

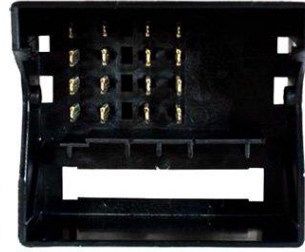


**Round and Flat Pin
short wire harness adapters
(Use only the one that fits the car)**

17 Pin Connector
(round pins)



40 Pin Connector
(flat pins)



Button Lighting

The orange illumination wire on the extension cable needs to be connected to one of the car's illumination wires which are in the dash (unplugged from the OEM radio). You will need to splice the orange wire from the extension "Fakra" cable into a dash lighting circuit. The easiest place to do this on most cars is the ashtray light or at the stock head unit plug; in most BMWs the lighting wire is the red and gray wire on the blue plug (pictured below). ALWAYS confirm this with a test light or voltmeter.



(BMW E39 w/ OEM nav pictured above; varies by model)

Upgrading to a newer Dynavin model in a car with an existing Dynavin extension cable?

If you are upgrading from a Dynavin N6, N7 or N7 Pro to a Dynavin 8 or 9, you won't need to purchase or install a new extension cable because we have an [adapter](#) that allows it to integrate with the N7/N7 Pro extension cable. You will just need to use the new round or flat pin main harness which is included. The round and flat pin harnesses are included with the E39 and E53 Dynavin units. But if you have an E46, let us know because you may need the [flat pin wire harness](#) which is only included with purchase of the extension cable. The round pin wire harness is included with the Dynavin for E46.

If you are upgrading a Dynavin N6 or N7 to an N7 Pro, you won't need to purchase or install a new extension cable again because it is the same on the N6, N7, and N7 Pro; however, you MUST replace the short wire harness (round or flat) that plugs into the car's square plug. (The N7/N7 Pro's short wire harnesses has one brown end and one black end instead of two black ends.) The round and flat pin harnesses are included with the E39 and E53 Dynavin units. But if you have an E46, let us know because you may need the [flat pin wire harness](#) which is only included with purchase of the extension cable. The round pin wire harness is included with the Dynavin for E46.