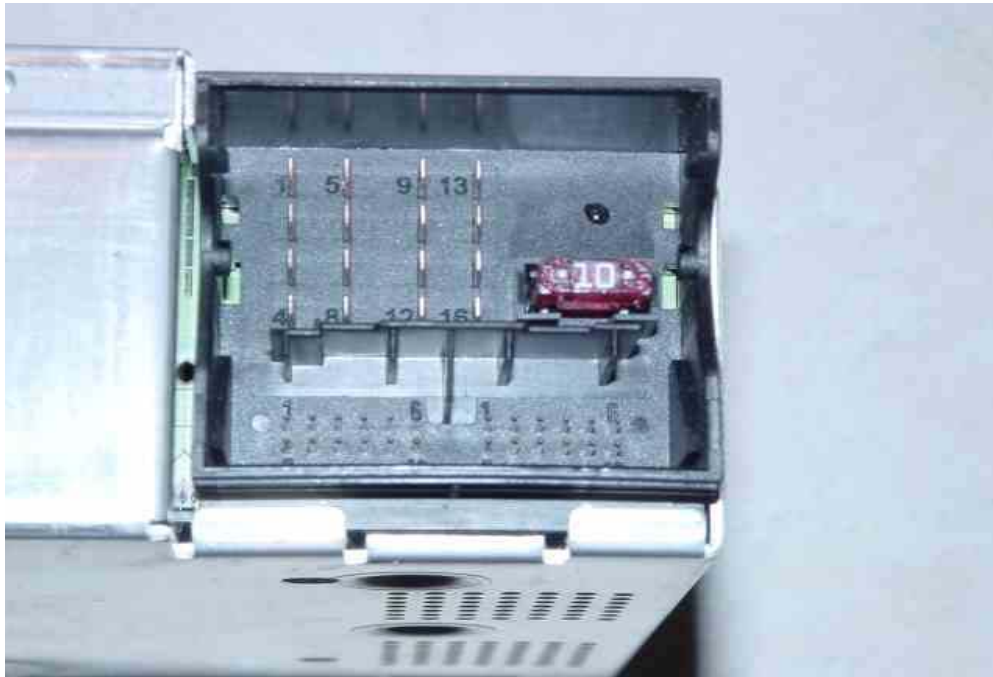


2002 and newer Radio Module - w/Nav



Pin No. / Wire Color / Function

Large Black Plug x18126

- 1 / Blue-Black / Right Rear + output to amp (twisted with 5)
- 2 / Blue-Red / Right Front + output to amp (twisted with 6)
- 3 / Yellow-Red / Left Front + output to amp (twisted with 7)
- 4 / Yellow-Black / Left Rear + output to amp (twisted with 8)
- 5 / Blue-Black / Right Rear + output to amp (twisted with 1)
- 6 / Blue-Red / Right Front + output to amp (twisted with 2)
- 7 / Yellow-Red / Left Front + output to amp (twisted with 3)
- 8 / Yellow-Black / Left Rear + output to amp (twisted with 4)
- 9 / White-Yellow bands / I-bus?
- 10 / White-Brown / Mute from phone?
- 11 / White-Green / ?
- 12 / Brown / Ground
- 13 / White / Remote on-off to amp
- 14 / Grey-Red / Dash illumination (dimmer)
- 15 / Red-Green / +12v from battery (not switched)
- 16 / Violet-White / +12v from ignition (ACC and RUN)

small white plug x13598

Pin No. / Wire Color / Function

- 1 // No function
- 2 / White-Brown / Audio common from 6CD player
- 3-7 // No connection
- 8 / White-Red / Audio Left Channel from 6CD player
- 9 / White-Blue / Audio Right Channel from 6CD player
- 10 // No Connection
- 11 / NAV / TV Audio +
- 12 / NAV / TV Audio -

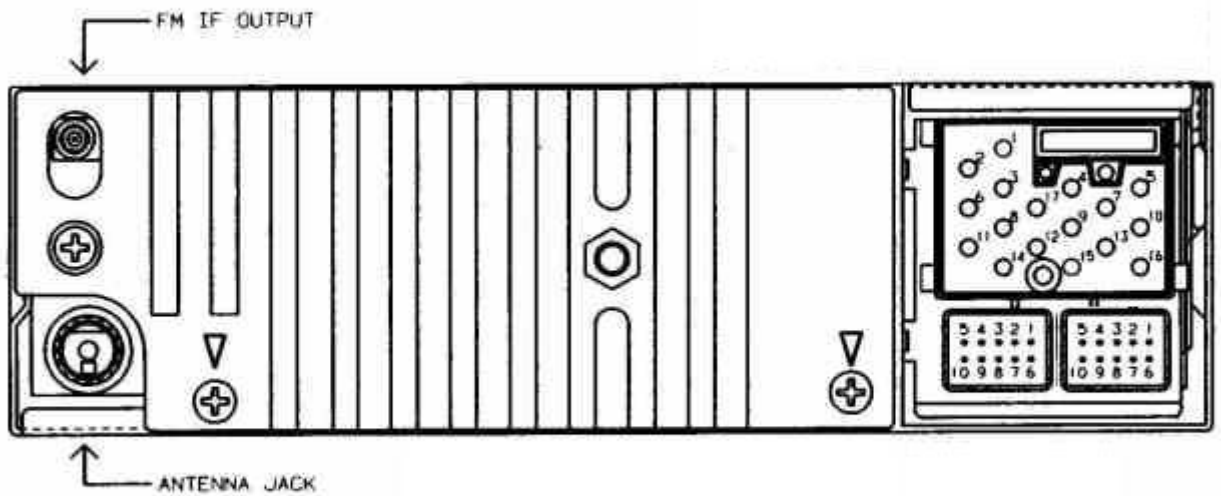
NEW Small black plug: x13649 plug

Pin No. / Wire Color / Function

- 1 / Tape left +
- 2 / Tape left -
- 3 / Left Connection for AUX Input
- 4 / Right Connection for AUX Input
- 5 / NAV / TV Audio +
- 6 / White-Black / Phone audio + Positive
- 7 / Tape right +
- 8 / Tape right -

- 9 / No connection
- 10 / AUX Input Ground
- 11 / NAV / TV Audio +
- 12 / Brown-Black / Phone Audio - Ground

2000 - 2001 Radio Module - w/Nav



Pin No. / Function

- 1 / Speaker - Front Left (+)
- 2 / Speaker - Front Right (+)
- 3 / Speaker - Rear Left (+)
- 4 / Telephone Mute
- 5 / +12v from ignition (ACC and RUN)
- 6 / Speaker - Rear Right (+)
- 7 / DAC - i-bus
- 8 / Speaker - Front Left (-)
- 9 / Back Up (?) (terminal 30 - Fuse F56)
- 10 / GAL - speed signal
- 11 / Speaker Front Right (-)
- 12 / Speaker Rear Left (-)
- 13 / Nighttime Illumination Signal
- 14 / Speaker Rear Right (-)
- 15 / Ground
- 16 / Auto Antenna - diversity
- 17 / Not Used (LAC)

x18805:

Pin No. / Function

- 5 / Audio Cassette Right (+)
- 4 / Audio Cassette Right (-)
- 3-2 / No connection
- 1 / Low Frequency Signal (-) - Nav Control Module / Video Module

10 / Audio Cassette Left (+)
9 / Audio Cassette Left (-)
8-7 / No Connection
6 / Low Frequency Signal (+) - Nav Control Module / Video Module

x01037

Pin No. / Function

5 / Low Frequency Voltage Signal CD Changer Left

4 / Low Frequency Voltage Signal CD Changer Right

3 / Shield - audio shield

2-1 / No Connection

10 / Low Frequency Voltage Signal CD Changer Left

9 / Low Frequency Voltage Signal CD Changer Right

8-7 / No Connection

The following link is diagram of the X5 hi-fi amplifier (non-DSP). You will need the [Adobe SVG plug-in](#) to view it.

<http://www.bmwmotorsports.org/crew/ucrewx5/pdf/SP0000014774.svg>

Or you can piece together these three images: [Image 1](#) [Image 2](#) [Image 3](#)

In case you are not familiar with the German colors

BR brown

GE yellow

GN green

OR orange

VI violet

GR grey

SW black

WS white

RT red

BL blue

TR transparent

In the diagram the module N9 is the radio (or the Business CD unit), H55 is the left front midrange speaker, and H54 is the right right front midrange speaker, both being on top of the dash.

Signals TLH+/- are for the rear left woofer

Signals MTHL+/- are for the midrange speaker/tweeter, rear left

Signals TLV+/- are for the front left woofer

Signals HLV+/- are for the front left tweeter

Signals HRV+/- are for the front right tweeter

Signals TRV+/- are for the front right woofer

Signals MTHR+/- are for the midrange speaker/tweeter, rear right Signals TRH+/- are for the rear right woofer