

iMIV Installation Manual

Version: 1.0

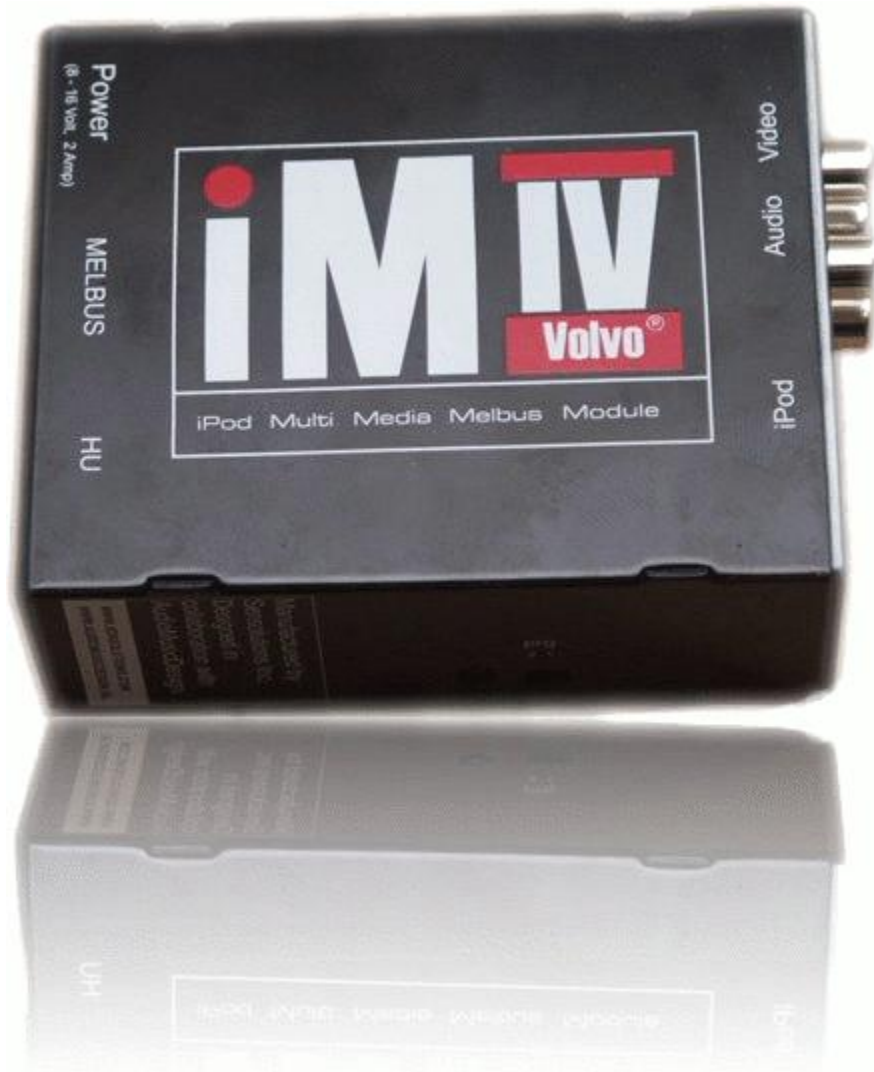


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1 Installation Options

1.1 Front Installation

The Front installation is for cars without a RTI (navigation system) that are not MELBUS prepped (factory preinstalled MELBUS cable in the trunk). The iMIV can be placed behind the dashboard, in the glove compartment or underneath the passenger seat. You will have to connect both the **Front Mount Power Cable** and the **MELBUS module to HU Cable** to the back of your radio. You will also have to connect the iMIV to your iPod with the **iPod Cable**.

1.1.1 Checklist

The following items are required for this installation;



Product Number	Product Name
24-EA-IM4-01-00	iMIV
24-CA-DIN01-DBUS-15	MELBUS module to HU Cable, 150cm or
24-CA-DIN01-DBUS-20	MELBUS module to HU Cable, 200cm
24-CA-VOLVO-P04	Volvo Front Mount Power Cable MELBUS module or
24-CA-GEN-P02	Generic Power Cable MELBUS module
24-CA-IPOD-DIN13-15	iMIV iPod Cable, 150cm or
24-CA-IPOD-DIN13-20	iMIV iPod Cable, 200cm

1.1.2 Connection Diagram and Installation Instructions

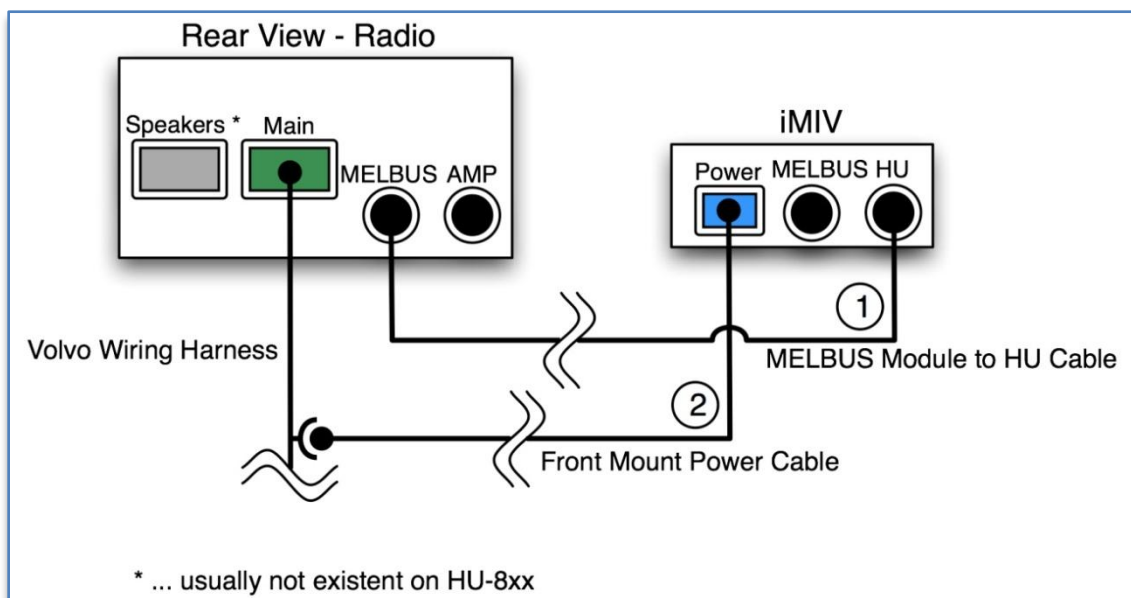


Figure 1 - Connect the MELBUS and Power Cables

- ① Connect one end of the **MELBUS module to HU Cable** to the back of your radio's MELBUS DIN connector. This should be the leftmost of the two round DIN connectors in the back of your radio. Plug the other end of this cable into the "HU" connector into the iMIV. [See Figure #1]
- ②
 - a) If you've purchased a **Front Mount Power Cable**; connect the **Front Mount Power Cable** (white connector) to the **Volvo Wiring Harness**. The **Volvo Wiring Harness** should already be connected to the big green connector at the back of your radio. [See Figure #1]
 - b) If you've purchased a **Generic Power Cable** you will have to find an unswitched +12V power supply (that is, a power supply that still has power running to it, even when the car's ignition is switched off). You should turn your car off and use a voltmeter to verify your power source. The other end (blue connector) has to be plugged into the "Power" jack (also blue) on the iMIV. [See Figure #1]



Before you connect to battery power, be sure to turn the ignition to position 1 (off) and disconnect the ground terminal on the battery. Once you have made the power connection(s) for the iMIV, turn the ignition key to position 2 and connect the battery ground terminal.

Failure to follow this procedure may cause a trouble code, which would require a dealer visit to reset.

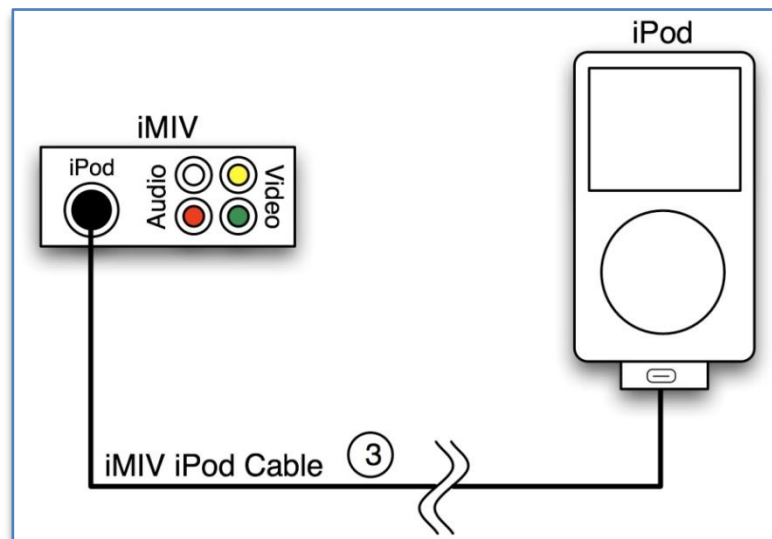


Figure 2 - Connect the iPod Cable

- ③ Connect the round 13 pin DIN connector of your **iPod Cable** into the "iPod" jack on the iMIV. [See Figure #2]



Tip!

The iMIV can be installed underneath the passenger seat or behind the glove

compartment (accessible through the cover, visible when the passenger door is open).

1.2 Rear Installation (with RTI)

The rear installation (with RTI) is for cars with a pre-installed RTI (navigation system). The iMIV will be installed “in chain” with your RTI. The video signal of the iMIV will be hooked up to the RTI, which makes it possible to watch videos from the iMIV on the RTI screen. These videos can be played from an external video source connected to the iMIV (e.g. a DVD player) or an iPod itself (must support video like an iPod video). The iMIV will be installed in the trunk with the long **iPod Cable** running to the front (middle arm console).

1.2.1 Checklist

The following items are required for this installation;



Product Number	Product Name
24-EA-IM4-01-00	iMIV
24-CA-DIN00-DBUS-20	MELBUS 2nd in Chain Cable, 200 cm or
24-CA-DIN10-DBUS-20	MELBUS module to MELBUS Chain Cable, 200 cm
24-CA-VOLVO-P05	Volvo RTI Video and Power Cable, DVD based systems only
24-CA-IPOD-DIN13-30	iMIV iPod Cable, 300 cm or
24-CA-IPOD-DIN13-40	iMIV iPod Cable, 400 cm or
24-CA-IPOD-DIN13-45	iMIV iPod Cable, 450 cm

1.2.2 Connection Diagram and Installation Instructions

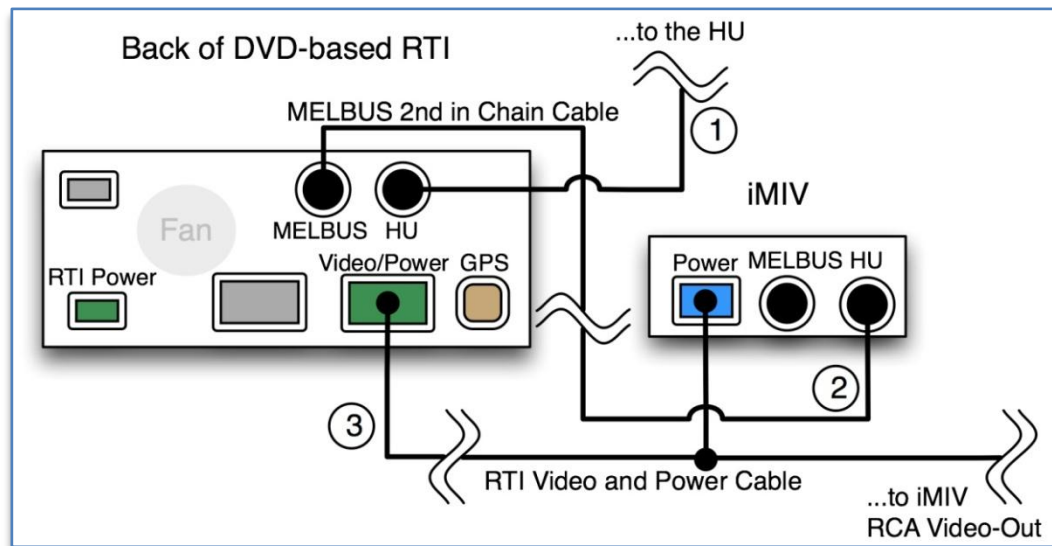


Figure 3 - Connect the MELBUS and Power Cables

- ① Verify that the existing MELBUS cable is already connected to the HU DIN connector on the back of the RTI. [See Figure #3]

- ② Plug the **MELBUS Second In Chain Cable** (the 13 pin right angled end) into the Melbus DIN connector (the leftmost DIN connector). The other end goes into the “HU” jack on the iMIV. [See Figure #3]
- ③ Connect the flat green connector of the **iMIV Video and Power Cable** to the matching green jack on the RTI. [See Figure #3]

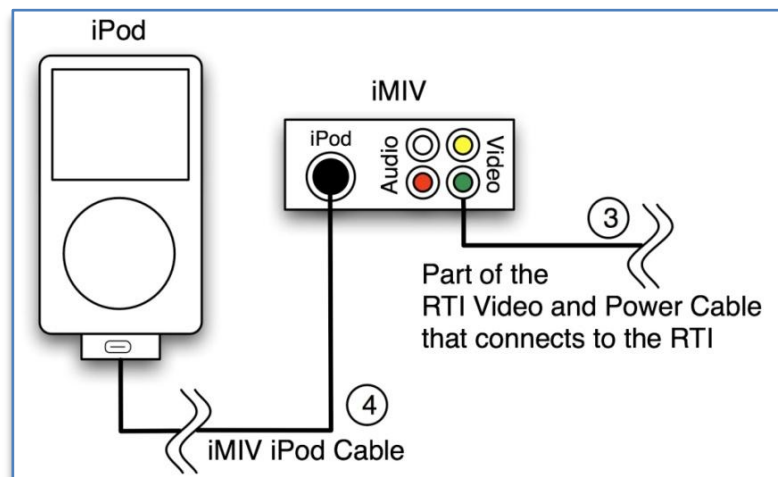


Figure 4 - Connect the Video and iPod Cables

- ③ Connect the blue plug of the **RTI Video and Power Cable** into the blue power jack on the iMIV. Connect the other green RCA connector to the iMIV’s RCA video out (green). [See Figure #4]
- ④ Connect the 13 pin DIN plug of the **iPod cable** to the “iPod” jack on the iMIV. The other end will connect directly to your iPod. You should run this cable to the middle arm console between the two front seats. [See Figure #4]

Tip!



A good spot for the iMIV is below the REM panel (fuse box/panel). You can get to it by removing the cover on the rear left in the trunk.

1.3 Rear Installation (for MELBUS prepped cars)

The Rear Installation (for MELBUS prepped cars) is for cars that already have a preinstalled MELBUS cable in the trunk but no RTI (navigation system). The preinstalled MELBUS cable (foamed cable) runs from the HU to the trunk. Its end is usually rolled up in a bag and taped somewhere near the fuse box.

1.3.1 Checklist

The following items are required for the rear installation;



Product Number	Product Name
24-EA-IM4-01-00	iMIV
24-CA-VOLVO-P04	Generic Power Cable MELBUS module or
24-CA-VOLVO-P03	Volvo REM Power Cable (Volvos with model year starting 2005)
24-CA-IPOD-DIN13-30	iMIV iPod Cable, 300 cm or
24-CA-IPOD-DIN13-40	iMIV iPod Cable, 400 cm or
24-CA-IPOD-DIN13-45	iMIV iPod Cable, 450 cm

1.3.2 Connection Diagram and Installation Instructions

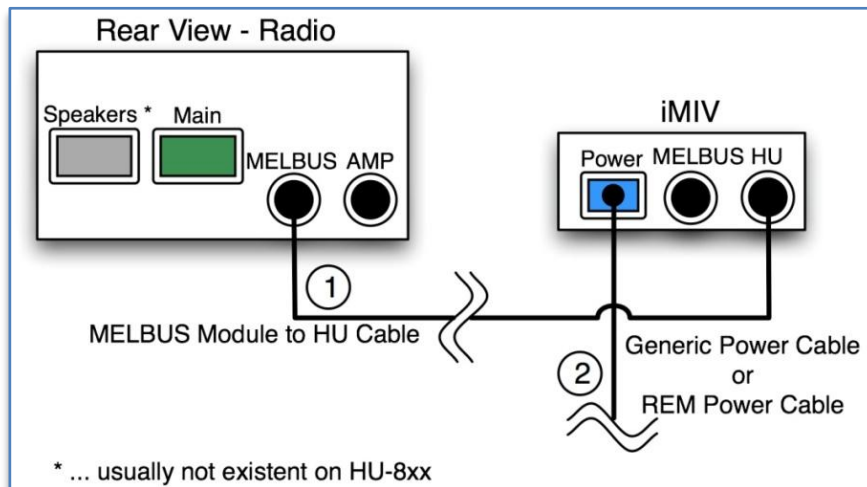


Figure 5 - Connect the MELBUS and Power Cables

- ① Verify that the existing **MELBUS cable** runs to the Melbus DIN connector on your HU. Connect the other end of the **MELBUS cable** into the “HU” jack on the iMIV. [See Figure #5]
- ② If you’ve purchased a **REM Power Cable** or a **Generic Power Cable** you will have to find a +12V power supply that is unswitched (that is, a power supply that still has power running to it even when the car’s ignition is switched off). You should turn your car off and use a voltmeter to test for live current. The end with the blue connector has to be plugged into the “Power” jack (also blue) on the iMIV. [See Figure #5]

NOTE: Chapter 2.1 has a detailed picture guide for installing the **REM Power Cable**.



Before you connect to battery power, be sure to turn the ignition to position 1 (off) and disconnect the ground terminal on the battery. Once you have made the power connection(s) for the iMIV, turn the ignition key to position 2 and connect the battery ground terminal.

Failure to follow this procedure may cause a trouble code, which would require a dealer visit to reset.

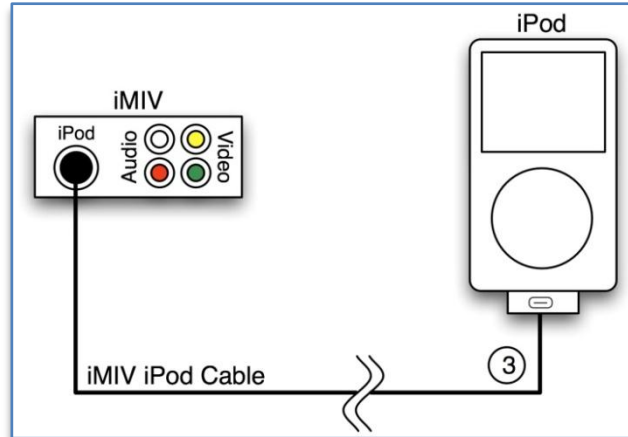


Figure 6 - Connect the iPod Cable

- 3 Connect the 13 pin DIN plug of the **iPod cable** to the “iPod” jack on the iMIV. [See Figure #6]

Tip!



A good spot for the iMIV is below the REM panel (fuse box/panel). You can get to it by removing the cover on the rear left in the trunk.

1.4 Rear Installation (Volvo iPod Adapter Replacement)

The rear installation (Volvo iPod Adapter Replacement) is for cars where there is an existing **Volvo iPod Adapter** already installed. The iMIV can use the existing **Volvo iPod Adapter** power and MELBUS communication. However, the existing Volvo iPod cable is permanently attached to the original Volvo iPod adapter and therefore cannot be reused. Therefore, you will have to install a new iPod Cable made for the iMIV.

1.4.1 Checklist

The following items are required for this installation;

Product Number	Product Name
24-EA-IM4-01-00	iMIV
24-CA-IPOD-DIN13-30	iMIV iPod Cable, 300 cm or
24-CA-IPOD-DIN13-40	iMIV iPod Cable, 400 cm or
24-CA-IPOD-DIN13-45	iMIV iPod Cable, 450 cm

1.4.2 Connection Diagram and Installation Instructions

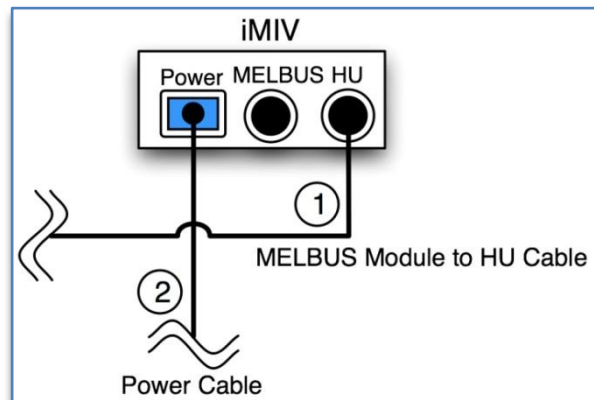


Figure 7 - Connect the existing Power and MELBUS cables

- ① Verify that the existing **MELBUS cable** runs to the MELBUS DIN connector on your HU. Connect the other end of the **MELBUS cable** into the “HU” jack on the iMIV. [See Figure #7]
- ② Connect the existing **Power Cable** to the blue “Power” jack of your iMIV. [See Figure #7]

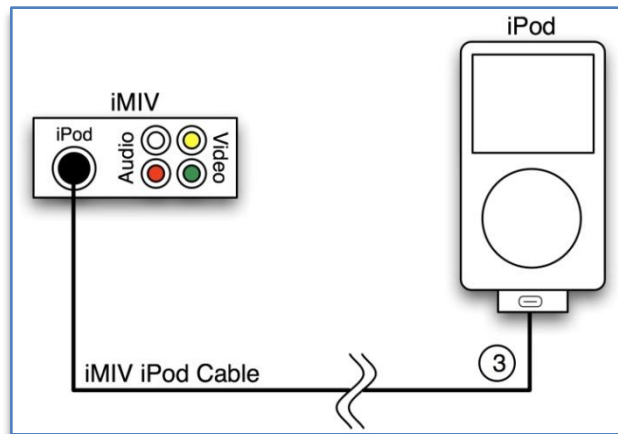


Figure 8 - Connect the iPod Cable

- ③ Connect the 13 pin DIN plug of the **iPod cable** to the “iPod” jack on the iMIV. The other end will connect directly to your iPod. [See Figure #8]

2 Hands On Guide

2.1 REM Power Cable Installation

The REM Power cable installation is possible for cars starting model year 2005. Please see the pictures below for the whole procedure:

