

VolvoTech.EU MANUAL



Kind	Installation manual
Title	Installation manual iMIV with any HU, front mount
Language	English
Version	2.00
Date	August 12 th 2014
Applicable to	iMIV in Volvo with any HU / NO RTI installation in car
Contents	Manual describes the installation of iMIV in combination with any HU, front mount installation.



Pre requirements

Applicable to:

iMIV Classic, iMIV-LE, iMIV-LE+ (all MFI versions)

Starting points:

The HU radio is working ok (it at least allows you to select different sources).

Remove any CD from the unit!

There is NO need to remove battery connections if you do exactly what is stated in this manual.

In case the installation requires you to put the ignition key in position 2, please make sure you put your light switch in position 1 (middle position) or off (only if your lights actually do switch off in that position) to save your battery.

Obviously; if you feel more comfortable, you can remove the ground (12V- = black) from the battery in your Volvo while installing.

Please make sure you put the key in ignition position 2 and leave it there until the battery is connected again!

Please read the FAQ section on the bottom of this document before installation!

Required tools:

Fishbone tool (or similar)

Torx 20

Towel(s) for panel protection to avoid damages.

Decide mounting point for iPod and/or aux cable

Suggested options:

- mid arm rest (described in this manual)*
- in iPhone/iPod mount next to HU, cable trough bracket next to HU*
- in glove compartment*



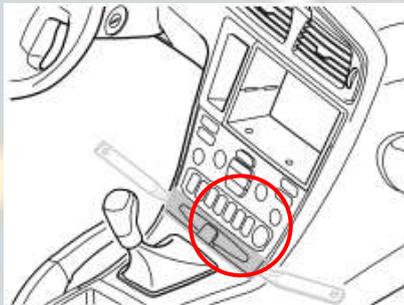
STEP 0 prepare your Volvo:

Remove key from ignition and only put back once ALL connections are made or all connectors are put back into original position.

For HUX0X and X1X (MY1999-2004):
(find instructions for removing HU-X50 further down this document!)

STEP 1 Remove pen-holder and gear-shift-cover:

Remove the pen-holder. (Pull it carefully in the direction of the gear-shifter).
Unlock and remove the panel around the gear-shifter by gently but firmly pressing the 4 clips.

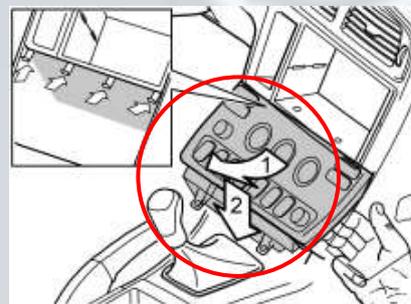
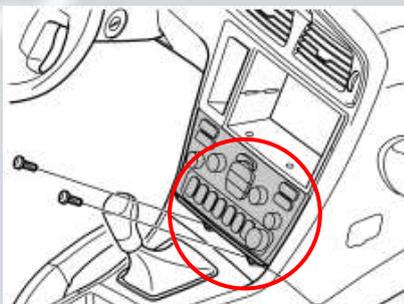


STEP 2 removing climate-control-panel:

Remove the 2 (Torx) screws from the temperature control unit (the lower part of the whole panel) and move the bottom of that panel towards the gear-shifter.
Then remove it carefully by pulling it out.

DO NOT REMOVE ANY CABLES FROM THIS PANEL besides the cigarette lighter connector.

Now put the unit carefully **on a towel** (to avoid damages) on the left side of the tunnel and leave it there.





STEP 3 removing HU:

You can now remove the 2 (Torx) screws from the HU frame and remove the HU the same way as you just removed the temperature control unit. Please put the HU carefully (**on a towel again!**) on the gear-shifter.



For HU-X50 (MY2005-2009) :

(find instructions for making connections for ALL radio's further down this document!)

STEP 1 removing gear shift cover:

Remove the gear-shift cover (preferably use a fishbone tool to just lift it gently):



Then tilt it and turn it, so you can reach the bottom of the cover.

(It might be required to put the shifter in D position if your Volvo is an automatic shifted car! Note that the ignition position needs to be in position 2 before you can move the shift lever!)

Then press the 4 clips gently but firm so you can remove the whole panel.





Now put the gear shifter back in to the P position (or Neutral if your Volvo is manually shifted) and remove the (2 pieces) Torx 20 screws:



(Tip: put a towel below the Torx screws before you try to remove them to avoid losing them!)

Once the Torx 20 screws are out, tilt (bottom part) the whole unit towards you and pull down until its free.



Now turn/move the radio on top or in front (towards you) of the gear shifter so you can reach the back of the radio. Put towels (plenty!) on top of the gear shifter and panels to avoid damages!





For ALL HU's:

STEP 4 – Connecting power:

You can now connect the quick-connects to the power source of the radio. Find the **BROWN (12V-)** and the **RED (12V+)** of the original harness in the **GREEN** connector.

(* please note that the iMIV requires battery power (power is always available to the iMIV). The iMIV will switch on/off it selves based on MelBus information!)

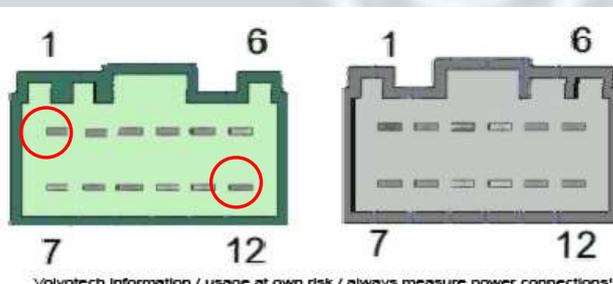
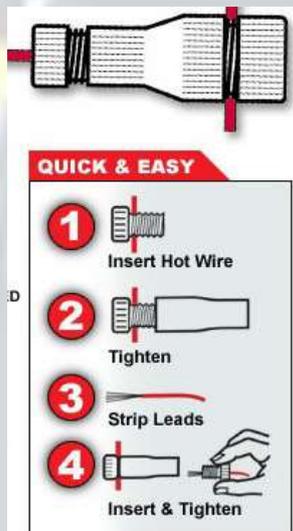
(* please check if there's no harnesses in between the original harness and the radio, some Bluetooth car kit (Parrot or so) might be connected in between and use different colors!)

The supplied quick-connect connectors are labeled accordingly.

iMIV harness RED wire = 12V+ = RED 12V+ (30+ VCC) on car harness

iMIV harness GREEN wire = 12V- (GND) = BROWN 12V- (GND) on car harness

The quick-connects work as follows:



Pin 12 = 12V- = **BROWN** Wire

Pin 1 = 12V+ = **RED**



STEP 5 – connecting MelBus:

Now you can connect the MelBus-cable to the MelBus-port on the HU.
This is the most centered round connector on your HU.



STEP 6 – Connections to the iMIV:

You now connect the other side of the MelBus cable to the iMIV.
Also, now connect the blue connector (power cable) to the blue connector on the iMIV.

STEP 7 – placing the iPod cable:

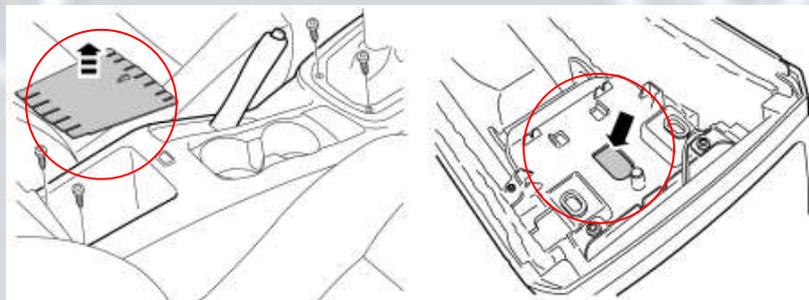
In your mid armrest you can now remove any rubber mats from the bottom and also remove any coin-holders.

(* in case there is a phone handset inside the mid arm rest, do the same, remove both mats (left and right to the handset).

If you can, remove the bottom of the armrest as well (older models up to 2003).
(You can do this by gently pulling the CD-holder upwards. You might need to "unlock" it from the clips at the front-part of the bottom, where you just removed any coin-holder).

You can now drill a 16mm whole in the bottom of the armrest. Please take care here, there might be other cables running below the bottom of the armrest!

(* in case there is a phone handset inside the mid arm rest, you can either remove the whole handset or leave the handset out, or drill the 16mm on the right of the handset.)





**If you are connecting an iMIV with an iPod 30pin adapter-cable (most probably you are!), work from the armrest to the front!
(If you only connect Aux, you can work either way!)**

Put the round (!) connector of the iPod cable from **top to bottom** through the whole you just drilled and gently work the cable to the front of the tunnel and pick it up there **and connect it to the iMIV**.

Step 8 – placing the iMIV behind the HU:

Now (once all cables are in) put the iMIV with all cables connected behind the HU, slightly to the left in the direction of the steering Wheel. You can use the original bubble-bag to make sure the device is stored steady if you want.

The MelBus device should be positioned just about where the red circle is:



Please note that there might be a lot of cables “stuffed” behind the HU already. Just tighten them carefully (and fold them back to the left and right) to create the required space. Even with all possible cables there, it is possible to fit the iMIV there.

Step 9 testing the iMIV:

Return any removed connector to its original connection! **DO NOT LEAVE ANY CONNECTOR OUT NOW.** (At least not from the air-conditioning control panel).

Check all connections for the last time and place the **HU back in its original place**.

Put the car key in the ignition and switch it to II.

Wait a second and then switch on your HU. (If it is already on, leave it on.)

Depending on the HU you have, it should now give 2 additional sources, being 2 of the following;

HU-X50	SAT1, SAT2, SAT 3 and CD-C
HU-X0X and X1X and 1205	MD-C and CD-C



(Turn source knob to find these sources).

If you have connected an iPod cable, please connect it now to see if it starts charging.

Select the SAT-1 or MD-C source (depending on radio again); this is your iPod source.

Play music from iPod now (just press play / start music) and if you hear audio and it sounds correctly, you're ready.

Select CD-C (only if you also installed the Auxiliary connection) and connect any Audio player (can be that same iPod as before, but undock from iPod cable first!). Connect the Auxiliary jack to the headphone jacket of the player and press play. If you hear audio now and it sounds correctly, you're ready.

Step 10 Finalizing:

Now just put anything back to its original place. Still be careful not to scratch things please.

Remove towels used only once totally done.

FAQ:

- Q:** My Volvo displays the message 'Battery low' what should I do?
- A:** Please start your car and leave it running for a while. (Battery was being drained by use of radio and lights during installation.)
- Q:** What position should the little switch on the iMIV be on?
- A:** On position 2 generally. (only for emergency updates position 1 is used!)
- Q:** After starting my car, it generally takes 15 seconds or longer before the iMIV source is visible / selectable on the HU, how come?
- A:** Please make sure the little switch on the side of the iMIV is in position 2!



- Q:** Can I use the iMIV in combination with the CFE (CanBus Function Extender)?
- A:** Yes you can, in any way. The CFE uses CanBus, the iMIV users MelBus. There is no way the can or will be conflicting.
- Q:** There is an "airbag" or "SRS" warning light active after installation, how come and what should I do?
- A:** Most probably you actually did put ignition to position 2 before all connections on the air-conditioning panel had been returned to their original position.
You'll need to see the Volvo dealer to reset this warning light.
(No actual damages are done, the "circuit" had been broken and the car stores that situation as an error and warns you about it.)
- Q:** How do I operate the iMIV and iPod in my car?
- A:** Please read the iMIV user manual, available on our website.
- Q:** Can I install and use the iMIV if the internal 4 or 6 CD Exchanger is broken and does not operate at all anymore? (It even gives "CD ERROR")
- A:** Yes. The iMIV will operate on a different "source" than the CD changer. Actually it is a good "replacement" for the internal CD Exchanger.
- Q:** If I use the Auxiliary source, there is a squelching noise audible in low volume parts of the songs being played.
- A:** Generally this is not from the Auxiliary source or the connected device but from the device charging the player connected to the Auxiliary.
Please remove that charger from the device. If the squelch is not audible anymore then, please replace the charger with a better one.
- Q:** I bought a second hand iMIV; the device looks different / manual does not match / iPod is not charging / iPhone is giving error messages etc.
- A:** Since our current devices are MFI compliant, they have changed from the older units. Cables cannot be exchanged with older (non-mfi) units.
Sorry, but we cannot deliver installation support on used iMIV's.