

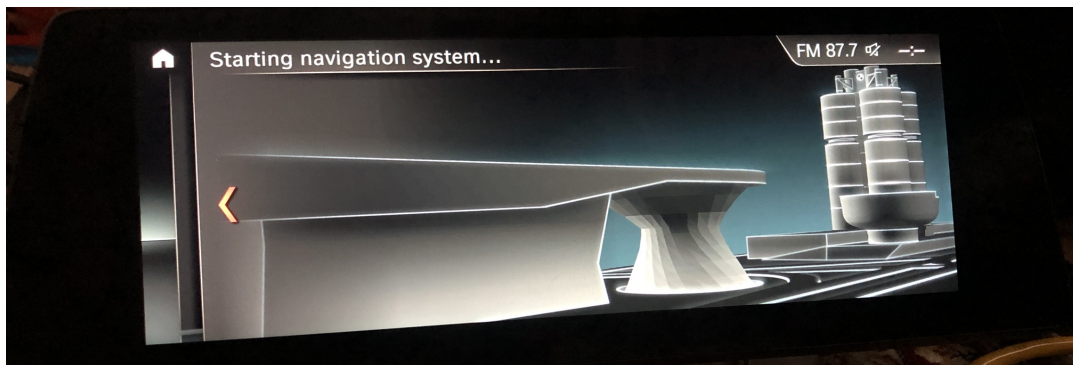
NBT EVO HDD CHANGING TUTORIAL

This tutorial is shown how to do it on NBT EVO ID4/5/6 units, BUT process is very similar for NBT units aswell, if you have common sense, you will succeed with it on NBT too.

HOW DO YOU KNOW IF YOU NEED TO CHANGE YOUR HDD?

Usually when NBT or EVO HDD fails, head unit starts rebooting, you hear the clicking sound from the unit, maps being stuck on loading screen, you can't use bluetooth audio, USB Flash drives are not recognized when inserted.

Not necessary all of the mentioned symptoms will occur when HDD fails, it might be one symptom, or might be few of them.



HDD CHANGING IS DONE IN SEVEN STEPS:

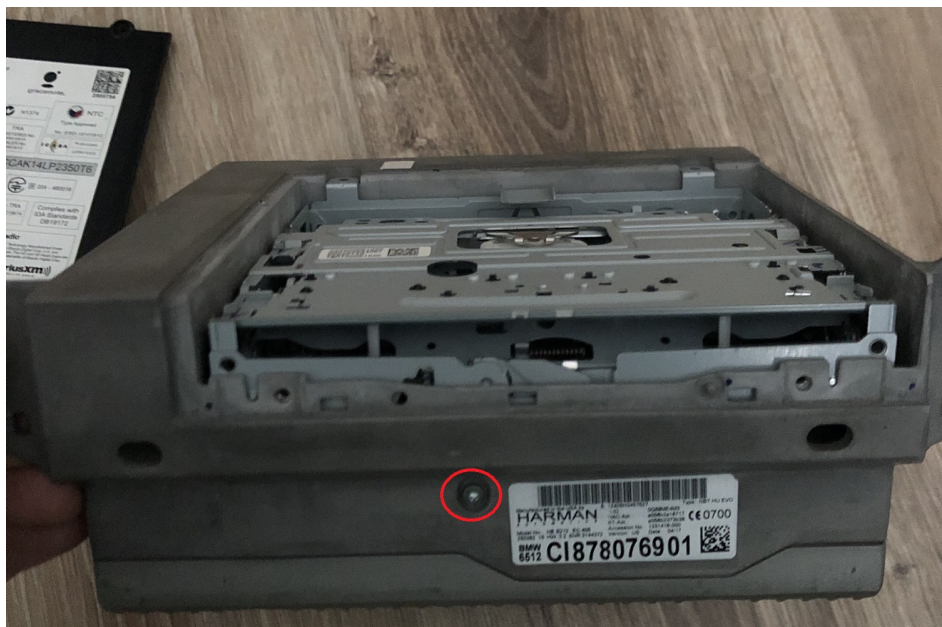
1. Remove your faulty HDD from the Head Unit.
2. Install new HDD in Head Unit.
3. Enable SSH access.
4. Initialize new HDD.
5. Flash Head Unit.
6. Install map data.
7. Install gracenote.

STEP 1 (Removing faulty HDD)

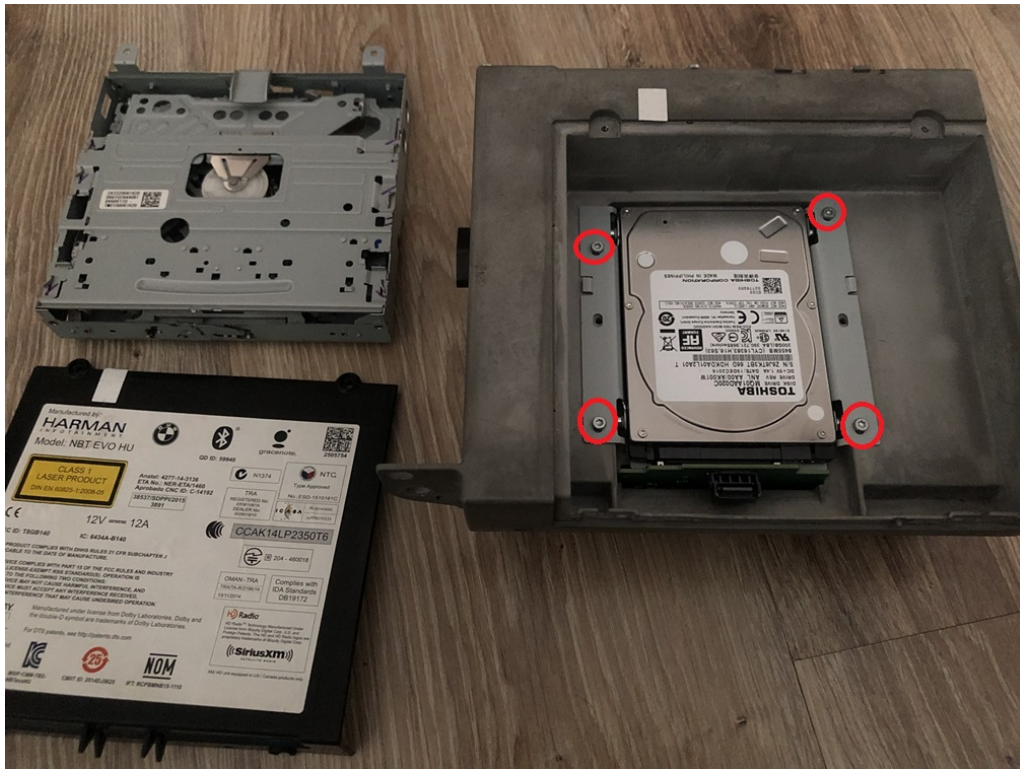
Unscrew four bolts from the top cover. (MARKED RED IN PICTURE BELOW).



Remove top cover and loosen the centre bolt (MARKED RED IN PICTURE BELOW) then remove DVD-Rom from head unit by lifting it up.



Unscrew four bolts (MARKED RED IN PICTURE BELOW) that holds the HDD holder.



Lift the HDD holder up and remove it from the unit, then remove two bolts on both sides that holds HDD in the holder and remove it (MARKED RED IN THE PICTURE BELOW).



STEP 2 (Installing new HDD)

Just assemble everything back, but do not rush to screw all the bolts back, assemble everything and power the unit in car or on bench, just to see if it is not rebooting, common issue when units are rebooting when installed new HDD.

What to do if unit is rebooting?

Remove HDD, power unit without it and only then install HDD, unit will stop rebooting and you will be able to do the further work.

STEP 3 (Enabling SSH access)

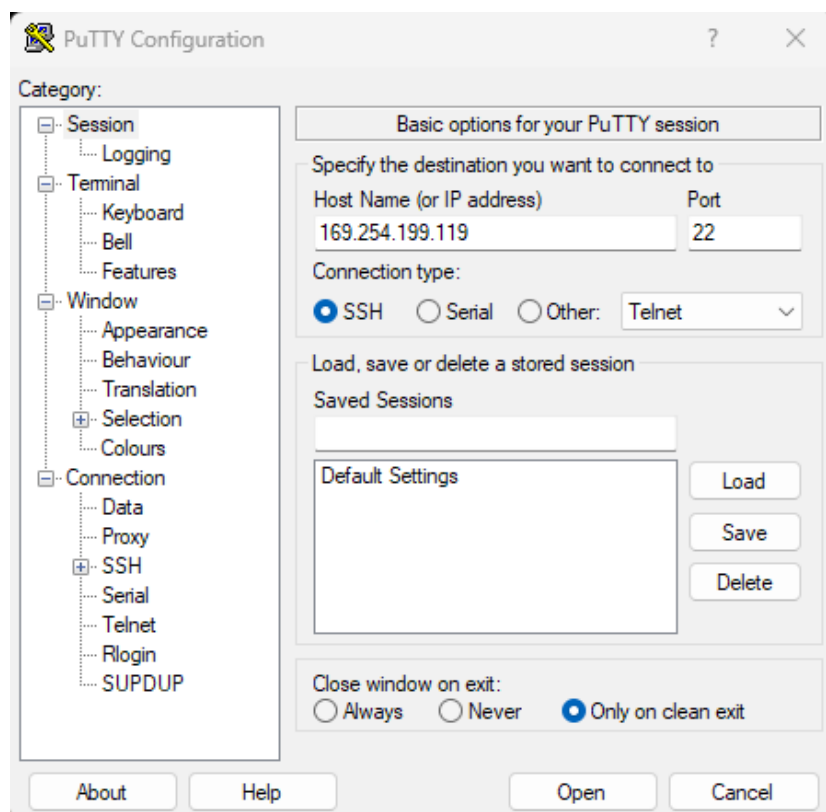
This part is on you, there are several ways to activate SSH access, HU TOOL, Feature Installer, and others.

I preffer Feature Installer, as it is the easiest way, just get the activation code from one of thousands resellers.

STEP 4 (Initialize new HDD)

After enabling SSH access to your head unit, now you are able to initialize your new HDD with PuTTY.

Open PuTTY, enter the EVO IP address 169.254.199.119 and port 22 (SEE PICTURE BELOW)



Log in with these credentials:

User: root

Password: ts&SK412

when logged in, enter these commands:

1. `create_hdd.sh -c partition`
2. `create_hdd.sh -c format`
3. `create_hdd.sh -c mount`
4. `OnOffDSICommander appreset`

Head unit will reboot, close PuTTY and open it again, login with the same credentials like before, and enter the last command that is mentioned below.

If your head unit is restarting after reboot – refer to the STEP2 and do the same as you did earlier.

```
create_hdd.sh -c directories
```

Reboot is needed as often without reboot it will just not create the directories.

Your HDD is now initialized! You can continue on the next steps.

STEP 5 (Flashing your unit)

This tutorial is how to change HDD, if you are doing it by your self you should know how to flash your head unit, so i will not cover this part.

You can flash your unit in full (BTLD, SWFL, CAFD, IBAD), or if your psdzdata is matching your head units actual software level, you can flash only IBADs.

STEP 6 (Installing map data)

Same as with flashing, will not cover this step in details, as if you are doing this procedure, you should know how to do it.

Long story short:

Download map data, copy to USB flash drive, in FSC directory insert your map update FSC, insert USB in car, update.

STEP 7 (Installing gracenote)

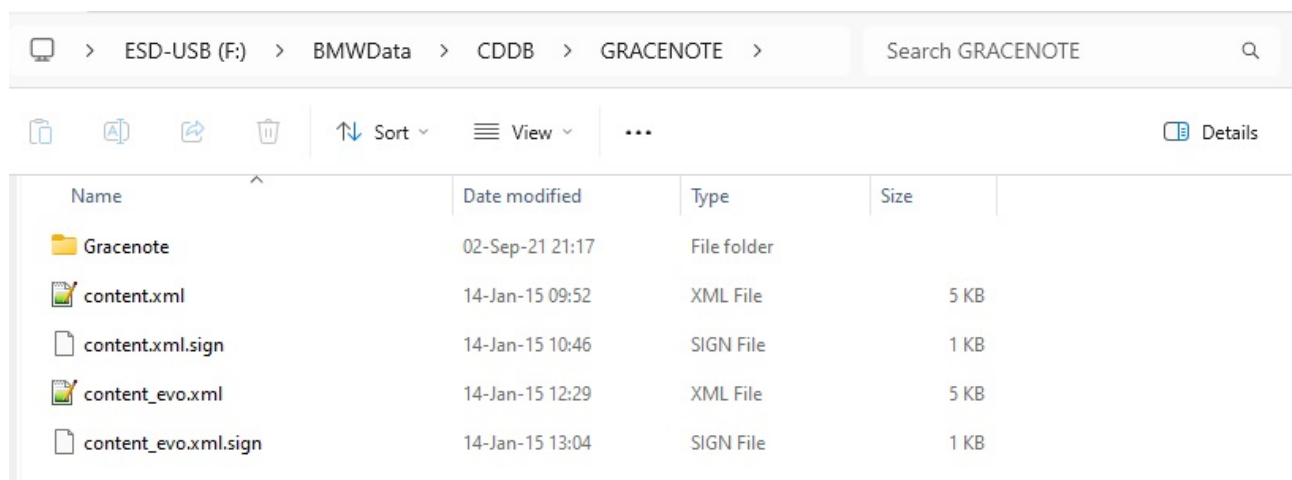
Installing gracenote is not everyday procedure, so i will cover this part, to do this, you have to enable and enter service menu in head unit, to do it follow this procedure:

Hold your iDrive controller pressed forward for 10 seconds, turn the controller 3 notches right, 3 notches left, 1 notch right, 1 notch left, 1 notch right and single press the controller down.

If controller combination is done correctly, go to My Vehicle, scroll to the bottom, and there you will find *SERVICE MENU*, go to Gracenote.

Download the gracenote data, copy files to USB flash drive, you must make these directories: BMWData\CDDDB\GRACENOTE\

It should look like this:



Insert USB Flash drive in car, if everything is done correctly "START INSTALLATION" option will appear, press it and wait until it finishes.

You're done!

Some facts:

Switching from HDD to SSD will not improve your head unit performance in any way!

Not all HDDs are working with NBT and EVO units, it's up to you to find working ones, there are lots of information on forums, do the research.

After you install HDD in your unit and power it up, HDD is immediatly being locked, yes, it is possible to unlock, but that's a different procedure.