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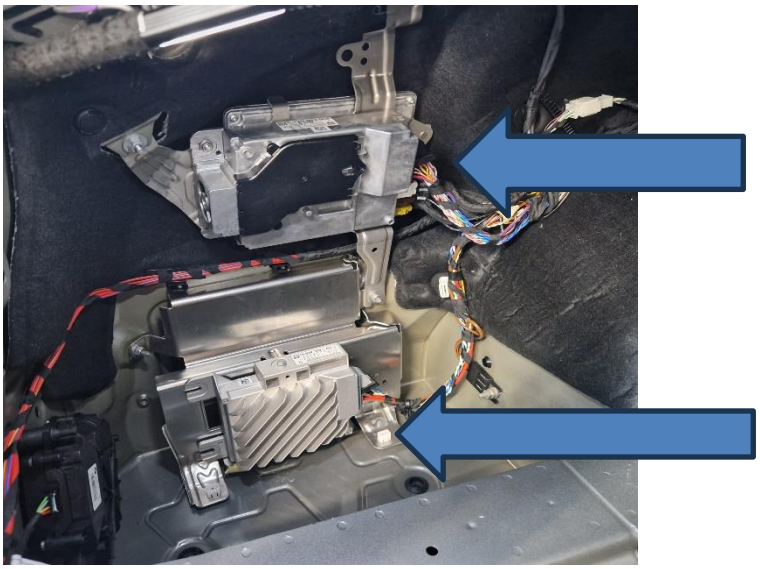
Thankyou for purchasing the BMW Ethernet ID7, ID8 and ID8.5 Digital Audio Interface.

The module is compatible with all BMW audio variants, HK, B&W, Hifi and Base Audio. There is no coding necessary.

Installation Instructions:

Step 1: Locate the factory BMW RAM Module, this is normally located in the boot / trunk on the left hand side behind the carpeted boot panel.



RAM Module, this is where the connections will be made.

HK Amplifier or RAM Booster.

This will be unused once the Digital Audio Interface is installed, it can be removed to provide a good install location for the new module.

Please ensure ignition is switched OFF before beginning installation.

Step 2: Release the 3 x 10mm nuts that secure the RAM Module bracket to the vehicle, it is NOT necessary to disconnect the Fakra style connectors, once the RAM module is lose it will allow easy access to the large black leaver latch connector and the smaller white data connector.

Both these connectors can now be undone.

The "T Piece" loom provided with the Digital Audio Interface can now be inserted between the factory black and white connectors and the RAM Module, all four connectors are keyway so cannot be put together incorrectly.

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Step 3: Once the connectors are put together, re fix the RAM module in place and tighten the 3 x 10mm nuts.

Next remove the HK / RAM Booster Amp by releasing the single 8mm nut above the module, release the connector a secure to prevent vibration etc. This will provide a good position for the Digital Audio Interface to be mounted.

Step 4: The Digital Audio Interface can be connected to the DSP or DSP amplifier via Coaxial or TOSSLINK, take care to use the Front Output. The red wire in the T Piece loom will provide a "Remote" to switch on the DSP / DSP Amplifier.

The Digital Audio Interface is supplied with a USB-C Type cable, ensure this is plugged into the USB-C Update port of the Digital Audio Interface and left in an accessible position for set up and future possible updates.

Step 5: Set the Digital Audio Interface DIP SWITCH POSITIONS See below

Dip direction		output	Output Toslink	Output Coaxial
1	OFF	Dual Digital Output Front and Rear	9 and 12	10 and 11
	ON	Single Digital Output (Front+ Rear Combined)	9	10
2	OFF	Auto Loudness On		
	ON	Auto Loudness Off		
3	OFF	Indicator Click Left		
	ON	Indicator Click Front		

Dip Switch changes will take effect when the power is cycled.

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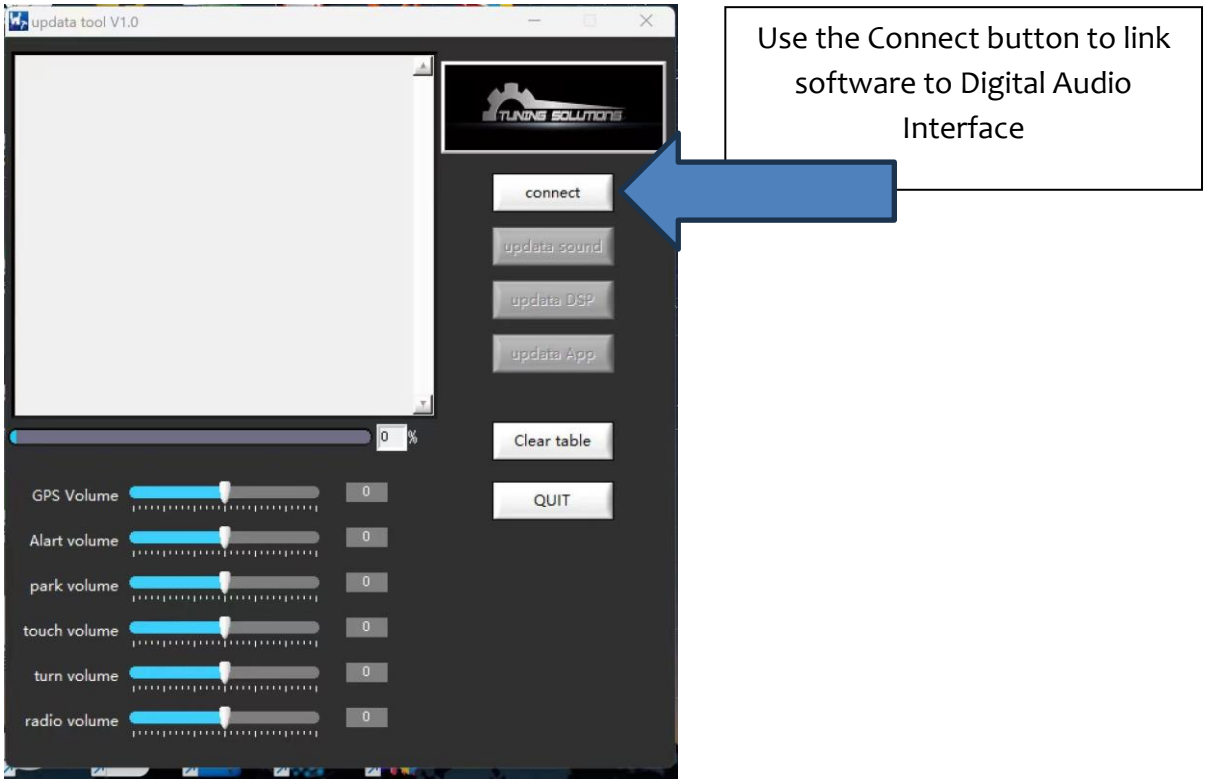
Step 6: Set up the DSP / DSP Amplifier gains in the normal way, allowing full use of the volume scale which will now be undistorted even at full volume.

Step 7: Setting the I-Drive warning tone levels. Using the software provided it is possible to independently set the level of the Parking Sensors, BMW Gongs, Navigation Commands, Indicator Clicks and the Touch Screen Click.

Install the Software onto to a laptop and connect to the Digital Audio Interface via the USB-C Cable and launch the update tool with the ignition on.



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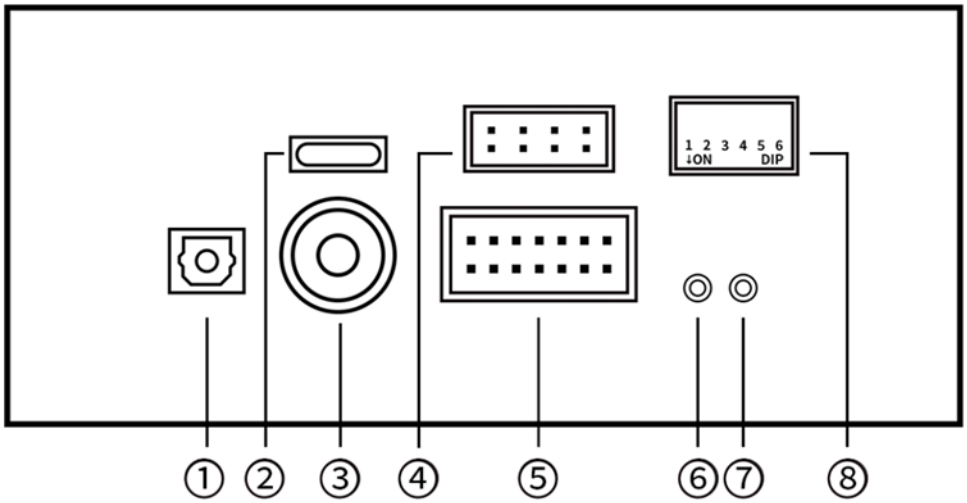
Select a DIGITAL source, Apple Carplay, Android Auto, USB, Spotify etc The audio adjustments can now be made while activating the various warnings.

Once this is complete, select the vehicle Tuner and set the radio volume.

Settings will be saved automatically once the software is exited.

Please Note: It is impossible to extract the tuner audio in the digital domain as its internal to the RAM module, unlike the other digital sources, Sound quality for the tuner is limited due to this factor. Remember ALL radio stations are now available via Apple Carplay, Android Auto, Deezer etc in hi quality digital audio.



1. External audio source Toslink input

2. USB-C Update port

3. External audio source coaxial input

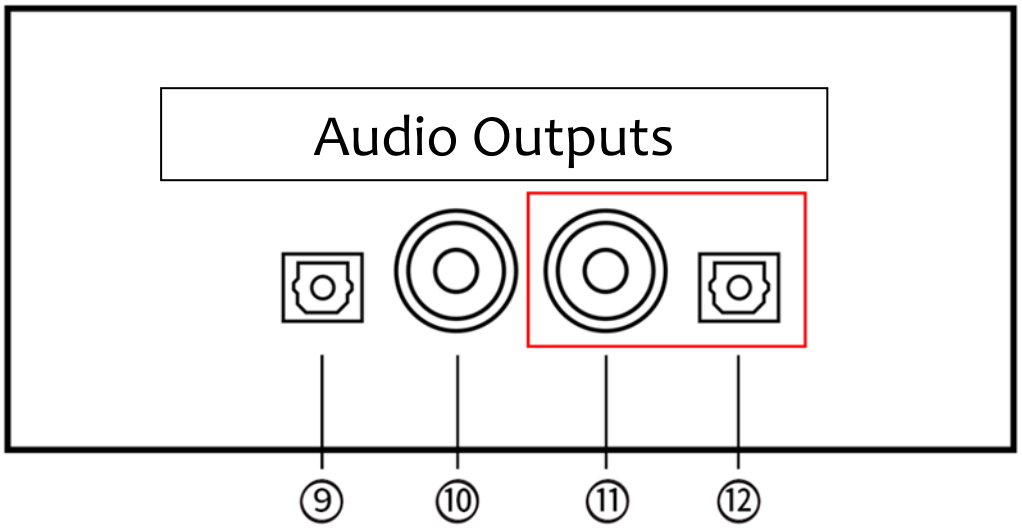
4. Ethernet interface

5. Power input

6. ACT/network effective indication

7. REM-OUT power indicator

8. Dip Switches



9. Front Audio Toslink output

10. Front Audio coaxial output

11. Rear Audio coaxial output

12. Rear Audio Toslink output

Product Parameters

Applicable models: BMW ID7/ ID8 / ID8.5
Core chip brands: ST, TI, AKM
Audio capacitor brand: Elna
Working voltage: DC 10v~18v
Output mode: Front and Rear sound field SPDIF Toslink/coaxial
Output frequency: full frequency
Sampling rate: 48K
Input: AVB/OABR, CAN
Power-on mode: network signal control, no ACC required.

Product size: 11 x 14 x 3.8 CM