



HIFI-K10

8 CH Amplifier with 10 CH DSP



Windows PC



Manual EN

Congratulations!

Dear Customer,

Congratulations on your purchase of this innovative and high-quality SENNUOPU product. Thanks to more than 15 years of experience in research and development of audio products the sets new standards in the range of digital amplifiers.

We wish you many hours of enjoyment with your new product.

Yours,
Sennuopu Audio

General instructions

General installation instructions for SENNUOPU components

To prevent damage to the unit and possible injury, read this manual carefully and follow all installation instructions. This product has been checked for proper function prior to shipping and is guaranteed against manufacturing defects.

Before starting your installation, disconnect the battery's negative terminal to prevent damage to the unit, fire and / or risk of injury. For a proper performance and to ensure full warranty coverage, we strongly recommend to get this product installed by an authorized SENNUOPU dealer.

Install your HIFI-K10 in a dry location with sufficient air circulation for proper cooling of the equipment. The amplifier should be secured to a solid mounting surface using proper mounting hardware. Before mounting, carefully examine the area around and behind the proposed installation location to insure that there are no electrical cables or components, hydraulic brake lines or any part of the fuel tank located behind the mounting surface. Failure to do so may result in unpredictable damage to these components and possible costly repairs to the vehicle.

General instruction for connecting the HIFI-K10 amplifier

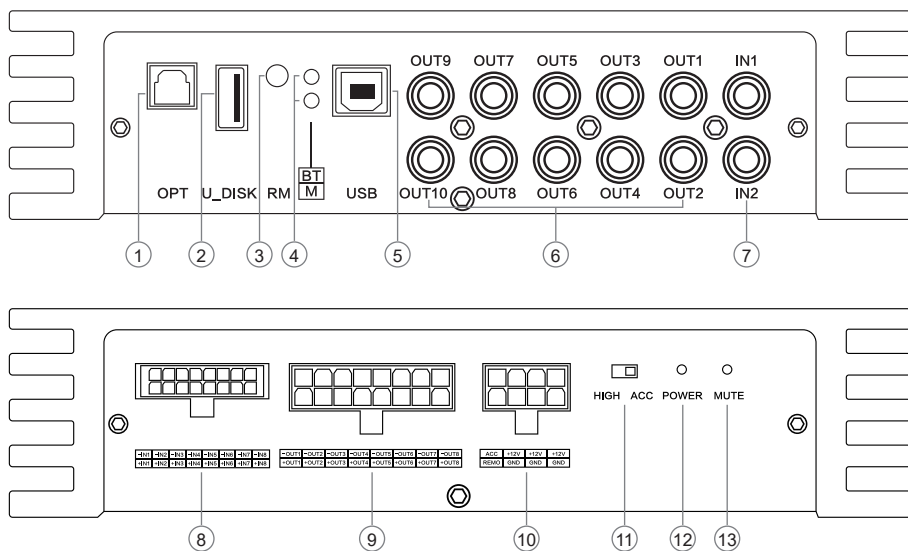
The HIFI-K10 amplifier may only be installed in vehicles which have a 12 Volts negative terminal connected to the chassis ground. Any other system could cause damage to the amplifier and the electrical system of the vehicle.

The positive cable from the battery for the complete system should be provided with a main fuse at a distance of max. 30 cm from the battery. The value of the fuse is calculated from the maximum total current input of the car audio system.

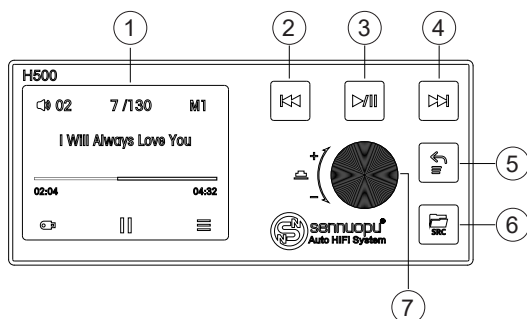
Use only suitable cables with sufficient cable cross section for the connection of HIFI-K10. The fuses may only be replaced by identically rated fuses to avoid damage of the amplifier.

Prior to installation, plan the wire routing to avoid any possible damage to the wire harness. All cabling should be protected against possible crushing or pinching hazards. Also avoid routing cables close to potential noise sources such as electric motors, high power accessories and other vehicle harnesses.

Connectors and control units



- ① Optical Input ② U-Disk interface ③ Remote control interface ④ Mode indicator light / Bluetooth indicator light
- ⑤ USB Input ⑥ RCA Output Channels ⑦ RCA Input Channels ⑧ Highlevel Input
- ⑨ Highlevel Output ⑩ Power Input ⑪ Power-on mode switch ⑫ Power indicator light / ⑬ MUTE indicator light



- ① LCD Screen ② Previous Button ③ Pause Button ④ Next Button
- ⑤ Return Button ⑥ SRC Button ⑦ Volume Knob

Initial start-up and functions

① Optical Input

Optical input in SPDIF format for connecting signal sources with a digital audio output. The sampling rate of this input must be between 12 and 96 kHz. The input signal is automatically adapted to the internal sample rate.

In order to control the volume of this input, we recommend to use an optional remote control
Note: This amplifier can only handle stereo input signals and no MP3 or Dolby-coded digital audio stream!

Note: In standard configuration the manual activation via an optional remote control is configured.

② U-Disk interface

The supported audio formats for lossless digital playback are MP3, WMA, WAV, FLAC, etc. Download music via computer and transfer it to the USB flash drive. Just plug it in and it can be played directly.

③ Remote control interface

This remote control is only compatible with our company's products.

Note: This remote control needs to be purchased separately and is not included in the standard configuration.

④ Mode indicator light / Bluetooth indicator light

⑤ USB Input

*Connect your personal computer to the HIFI-K10 using the provided USB cable. The required PC software to configure this amplifier can be downloaded from the SENNUOPU website.

* USB sound card playback, You can connect your computer or other audio players via USB. When playing through smartphones, the sound quality of mainstream audio sources will suffer some loss. The DS-M8 can be directly connected via a USB data cable. For iPhones, a Lightning to USB adapter cable can be used for connection. For Android phones, a USB OTG data cable can be used for connection. All of them can faithfully reproduce the original sound at 44.1k/16bit Hi-Res high-resolution audio quality.

⑥ RCA Output Channels

RCA Audio signal output, which can be connected to external power amplifier.

⑦ RCA Input Channels

RCA signal inputs, which can be connected to RCA Audio signal output of on-board CD / DVD player

⑧ Highlevel Input

8 channel highlevel loudspeaker input to connect the amplifier directly to loudspeaker outputs of OEM / aftermarket radios or OEM amplifiers that do not have any pre-amplifier outputs.

⑨ Highlevel Output

Speaker outputs to connect speaker systems. 1-8 are the designs of Class AB power amplifiers. Power RMS $\leq 1\%$ THD+N, 50 watts per channel @ 4Ω Note: The impedance per channel must not be lower than 4 Ohms.

⑩ Power Input

⑪ Power-on mode switch

When the switch is turned to "ACC" end, ACC will start the machine; when it is turned to "high" end, high level input signal H1 - / H1 + will start the machine.

⑫ Power indicator light

⑬ MUTE indicator light

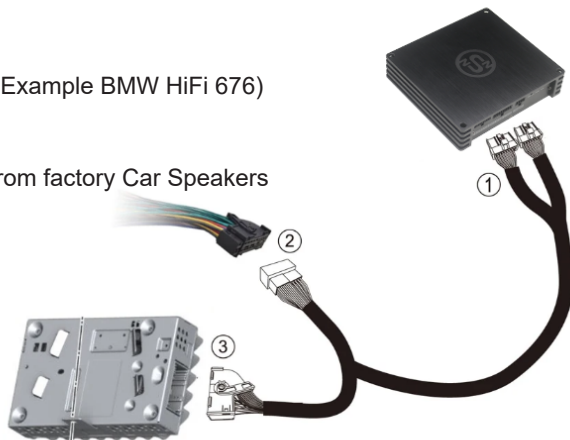
PLUG & PLAY CONNECTION



Note: designed serval types of cable support plug & play with some car with premium sound OEM factory amplifier such as BMW (HiFi,Harman Kardon),Mercedes Benz(Burmester),HYUNDAI & KIA(Krell),JBL,Bose,B&O,and so on.

Plug & Play Diagram (Example BMW HiFi 676)

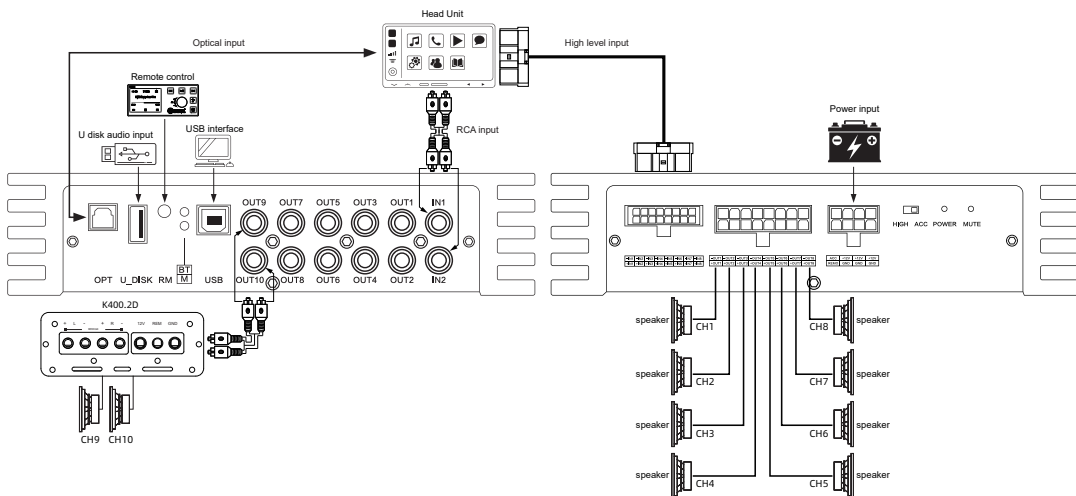
Cable connect from factory Car Speakers



Factory OEM Amplifier

- Steps:1.Disconnect your factory OEM amplifier cable
 - Steps:2.use plug & play cable male terminal ③ with your factory OEM amplifier.
 - Steps:3.Connect ①with HIFI K10
 - Steps:4.Put the DSP under the seat or find a proper place backside ofthe car.
- Note: Plug and play wiring harnesses require additional purchase and customization

Installation of Universal Wiring



PC Tuning Interface

The computer software interface can be divided into 4 areas:
 A equalizer area, B filter area, C volume control area, and D delay control area.

AN ERGONOMIC TUNING INTERFACE EASY TO TUNE / ACCURATE TUNING

4: QUICK SOUND ADJUSTMENTS



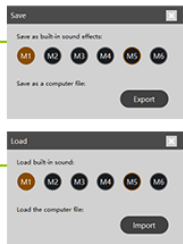
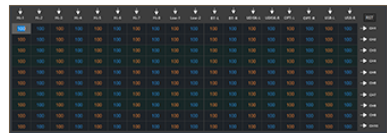
2: TUNING TOOLS

- Language
- Factory Reset
- Noise gate threshold
- Hardware noise
- Firmware Version
- Software Version

Bluetooth
 Usb disk

High Level
 Low Level
 Opt
 USB

1: Routing and Mixing



A EQ Graph: Shows frequency response from 20Hz to 20000Hz. Parameters: F: 20.0Hz, G: 0.0dB, Q: 1.0.

B Filter Settings: HPPF and LPPF sections with Link, Bessel, Butter options and 24dB slope.

C Mixer: 10 channels (CH1-CH10) with gain sliders and FF (Feedback) buttons.

D Delay Control: MS, CM, and IN sections with delay time sliders.

3: REAL-TIME TUNING

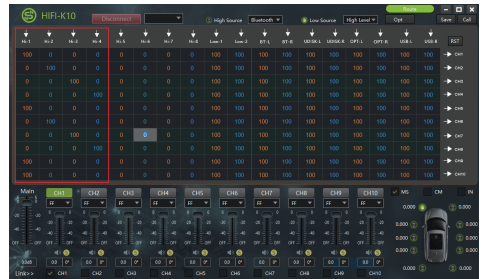
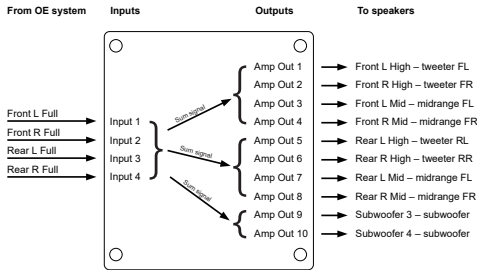
Workflow step 1 – Input routing

1. Configuration examples--- Channel routing with Virtual Channel Processing

This configuration mode is suitable for 4-channel power amplifier output of the original car head unit or multi-channel power amplifier output of the original car. The signal will be collected into the DSP route, and then separately distributed according to the power of each speaker.

Note: The standard configuration is the universal wiring harness, you need to connect the wiring harness according to the mark, you can also contact our dealer for customized special wiring harness, plug and play.

Channel routing with Virtual Channel Processing

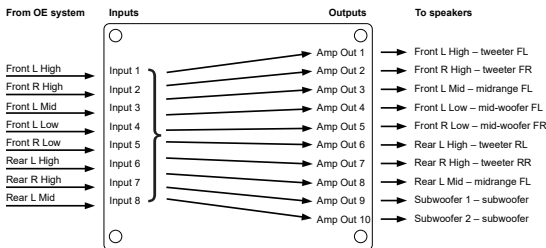


2. Configuration examples---1 to 1 channel routing (IOR)

This configuration mode is suitable for the output of the original car with 8 channels power amplifier,

Configuration examples

1 to 1 channel routing (IOR)



Technical Data

SPC	Model	HIFI-K10
	Type	8 CH Amplifier with 10 CH DSP
	Operating Voltage	9V ~ 16V
	SNR	≥100db
	Channel Resolution	≥ 98dB
	THD+N	≤ 0.01%
	Bottom Noise	≤ 32uvrms
	Frequency Response	20Hz ~ 20kHz
	Output EQ	31 PEQ,GEQ
	Default EQ	6 Groups
	Mixing Function	Support
	Filter Slope	6/12/18/24/30/36/42/48 dB/Octave
	Delay	0-20 Milliseconds (0-273")
	Tuning Software	APP Tuning / Computer Tuning
Input signal	High Level	8 Channels
	RCA Audio	2 Channels
	HD Bluetooth	Bluetooth 5.0
	Optical Fiber	Support
	USB Dataplay	Support FLAC/APE/WAV/MP3 etc.
Output signal	High Level 8 channel Amplifier	8X50W RMS @4Ω (Class D) / 8X90W RMS @2Ω (Class D)
	RCA Audio	10 Channels
	Output Signal Gain	Mute,-60dB ~ + 6dB
	Size	198mm/182mm/44mm
	Weight	1.6Kg

Warranty Disclaimer

The limited warranty comply with legal regulations. Failures or damages caused by overload or improper use are not covered by the warranty. Please return the defective product only with a valid proof of purchase and a detailed malfunction description. Technical specifications are subject to change!

Errors are reserved! For damages on the vehicle and the device, caused by handling errors of the device, we can't assume liability.



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Made in China

