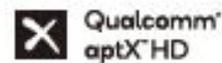




UTS-A100

Hi-Res Streaming Media Player



- For iPhone users, please search "Alpine Music" in APP Store to download and install it; for Android users, please scan the QR code on the right to download and install it directly.



Alpine Music

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Operating Instructions

Type of precautions

	Indicates a prohibited action (must not be performed).
	Indicates that disassembly is prohibited.
	Indicates a mandatory operation (must be performed).
	Indicates that it should draw your close attention.

Warning

In case of problems, please stop using the device immediately.



Otherwise, it may result in personal injury or damaged product. Please return the product to the authorized Alpine dealer or nearby Alpine service center to repair.

The product is only suitable for the 12V negative-grounded vehicles.



Otherwise, it may lead to an accident like fire, etc.

Please call the professionals to wire and install.



It needs professional expertise and experiences to wire and install the product. Please contact the dealer from whom you bought the product to install it for safety.

Please do not disassemble or refit.



Otherwise, it may result in an accident, fire or electric shock.

Small items like bolts or screws should be kept out of reach of children.



If ingested, it may result in severe damage. Once ingested, please seek medical attention immediately.

Please do not use any function that may distract you during driving.



Any function that may influence your attention should be used only when the vehicle is stopped completely. To use these functions, please first stop your vehicle in a safe area. Otherwise, it may result in an accident.

During driving, you must maintain the volume at a level such that the noise outside can still be heard.



It is very dangerous not to clearly hear an emergency vehicle alarm and road warning signal (such as a railway crossing) and may result in an accident. Moreover, a too large volume may damage your hearing.

Caution

Product cleaning



Please clean the product regularly with a soft dry cloth. For any dirt difficult to clean, only water can be used to soak the cloth. Any other solvents may lead to dissolution.

Temperature



Before starting the device, please ensure that the temperature inside the vehicle is between +60°C and -20°C.

Repair



In case of problems, please do not repair them by yourself. Please return the product to the authorized Alpine dealer or nearby Alpine service center to repair.

Installation site



The device cannot be installed at the following locations:

- Under direct sunlight and near a hot source.
- With high humidity and near a water source.
- Dusty sites.
- Environments with violent vibration.

Common problems

If you encounter any problem, please turn off the power and reconnect and turn it on. If the device still cannot work, please check the items in the table below. This manual will help you solve the problem. For details, please consult your Alpine authorized dealer.

1	USB AUDIO cannot play	<ol style="list-style-type: none">1. Please make sure that the Type-C Data interface is correctly connected. The Type-C Power interface is not connected for audio transmission;2. Please check whether the Type-C audio OTG cable or OTG adapter you have is correctly connected;3. Please check the audio source selection of UTS-A100 APP. In case of the Exclusive mode, make sure that the USB AUDIO audio source is selected.
2	There is no sound when the device is connected for playback	<ol style="list-style-type: none">1. Please make sure that the audio source on the side of external devices is under the optical or coaxial audio source signal, and connect the optical/coaxial signal correctly;2. Please check the audio source input of UTS-A100. In case of the Exclusive mode, only the USB AUDIO or Bluetooth audio source is supported.
3	The sound of optical/coaxial output is abnormal	Please check whether the system sampling rate of the device you connect is matched.
4	Hi-Res light is not on	<ol style="list-style-type: none">1. Please check whether the currently playing track is from Hi-Res audio source;2. Please check whether the “Developer Options” and “HD Audio” in your mobile are normally turned on.
5	Type-C Power light is not on.	Please make sure that the Type-C Power interface is correctly connected. The Type-C Data interface is not connected for power supply.
6	Next track and previous track button is abnormal	Please check whether the “Control Previous Track/Next Track” function is set and selected in the “Line Control” setting in your mobile.
7	The volume of the device is too low	Please make sure that your UTS-A100 device has been successfully connected to the software for unlocking and use.

Copyright notice

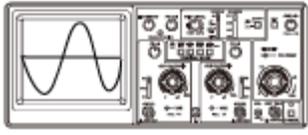
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* Electronic products should be discarded via an appropriate recycling channel to reduce electronic waste pollution.

Tools that may be required (depending on the vehicle)

Panel removing tool	Socket	Electric drill	Torx screwdriver
			
Phillips screwdriver	Sleeve wrench	Wrench	Wire cutter
			
Wire crimper	Wire stripper	Spectrum analyzer	Oscilloscope
			

Accessory list

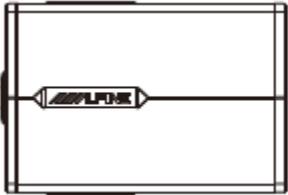
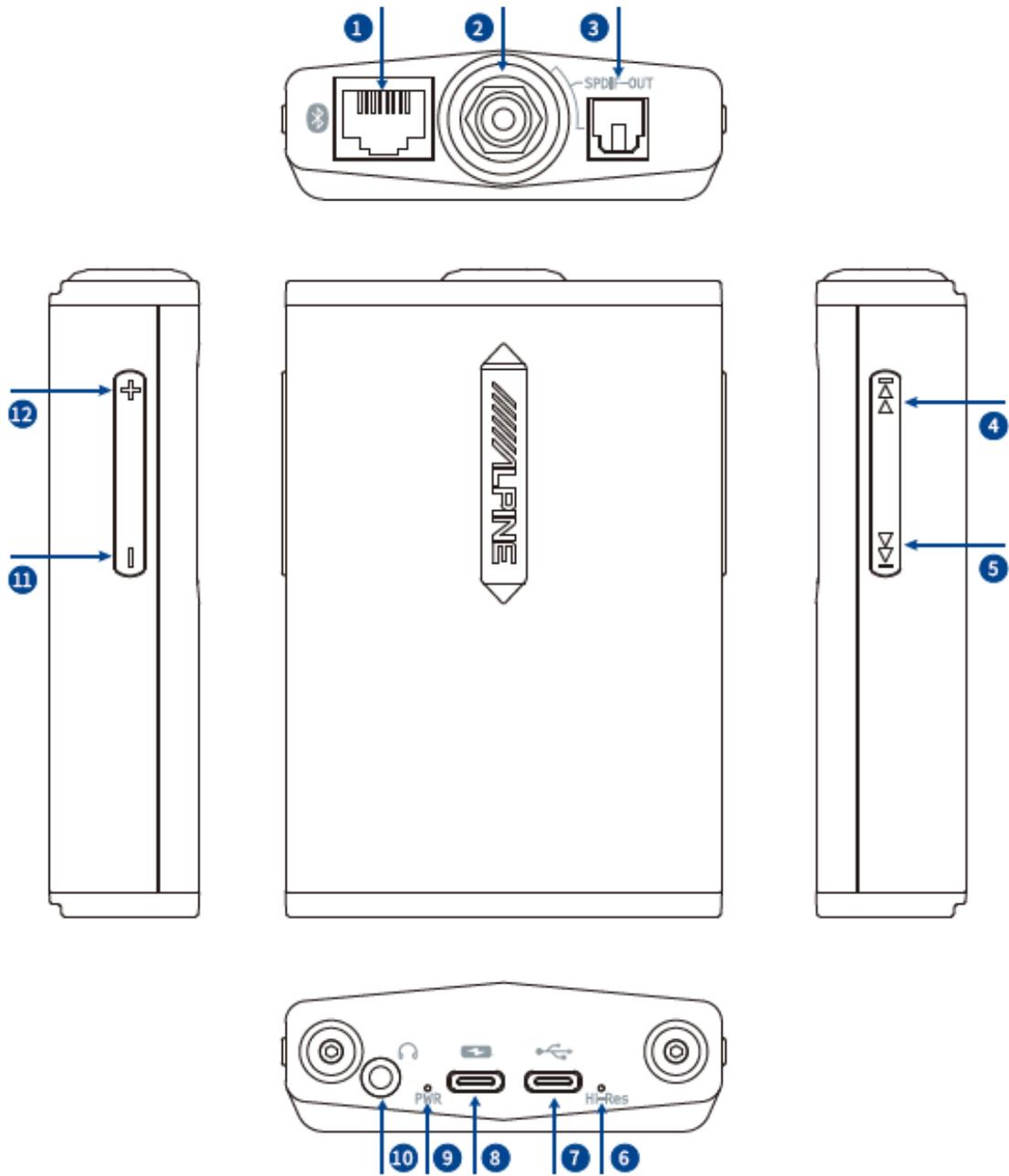
Type-C power cord	Bluetooth cable	UTS-A100
		

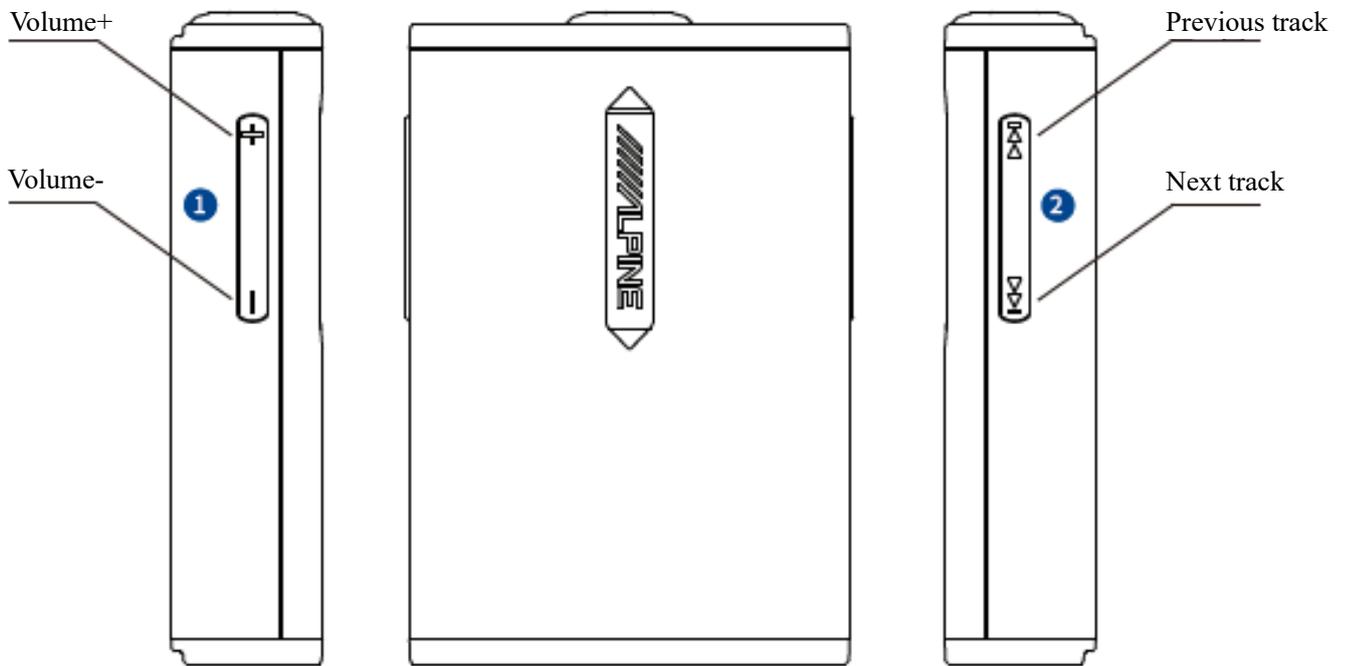
Diagram of device interfaces



Description of device interfaces and their function

1	Bluetooth interface	Alpine on-vehicle DSP that supports interface connection can transmit HD audio signal, or Alpine on-vehicle DSP tuning software can be connected to transmit high-quality audio via Bluetooth cable.
2	Coaxial output interface	Coaxial signal output, up to PCM 192kHz/24bit supported.
3	Optical output interface	Optical signal output, up to PCM 192kHz/24bit supported.
4	Previous track button	Short press to switch to the previous track for playback.
5	Next track button	Short press to switch to the next track for playback.
6	Hi-Res indicator light	Hi-Res display light, which is lit only when Hi-Res track is currently playing and not lit when tracks in other formats are playing.
7	Type-C Data interface	Type-C OTG audio cable or OTG adapter is connected to the mobile for USB AUDIO source playback, up to 192kHz/32bit supported.
8	Type-C Power interface	Independent Type-C power supply. The power supply is connected via Type-C power cord, such as car cigarette lighter/charger/power bank, etc.
9	Power indicator	Blue breathing light.
10	Headphone amplifier interface	Standard 3.5mm headphone audio output.
11	Volume (-) button	Short press to decrease the volume at the level of 1, and the volume range is 0 ~ 27.
12	Volume (+) button	Short press to increase the volume at the level of 1, and the volume range is 0 ~ 27.

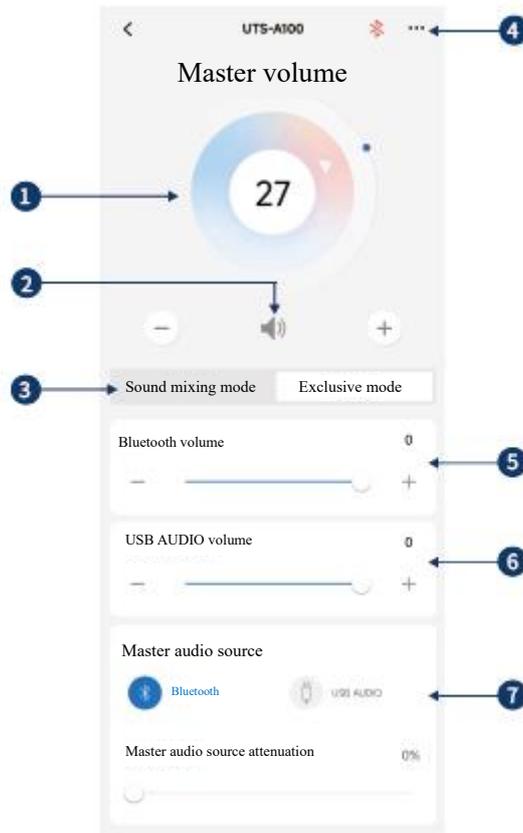
Button operation



1	Volume button	Use the UTS-A100 volume button to operate and control Volume+/Volume- in the system.
2	Next track and previous track button	Use the UTS-A100 next track and previous track button to switch the previous track/next track in the system.

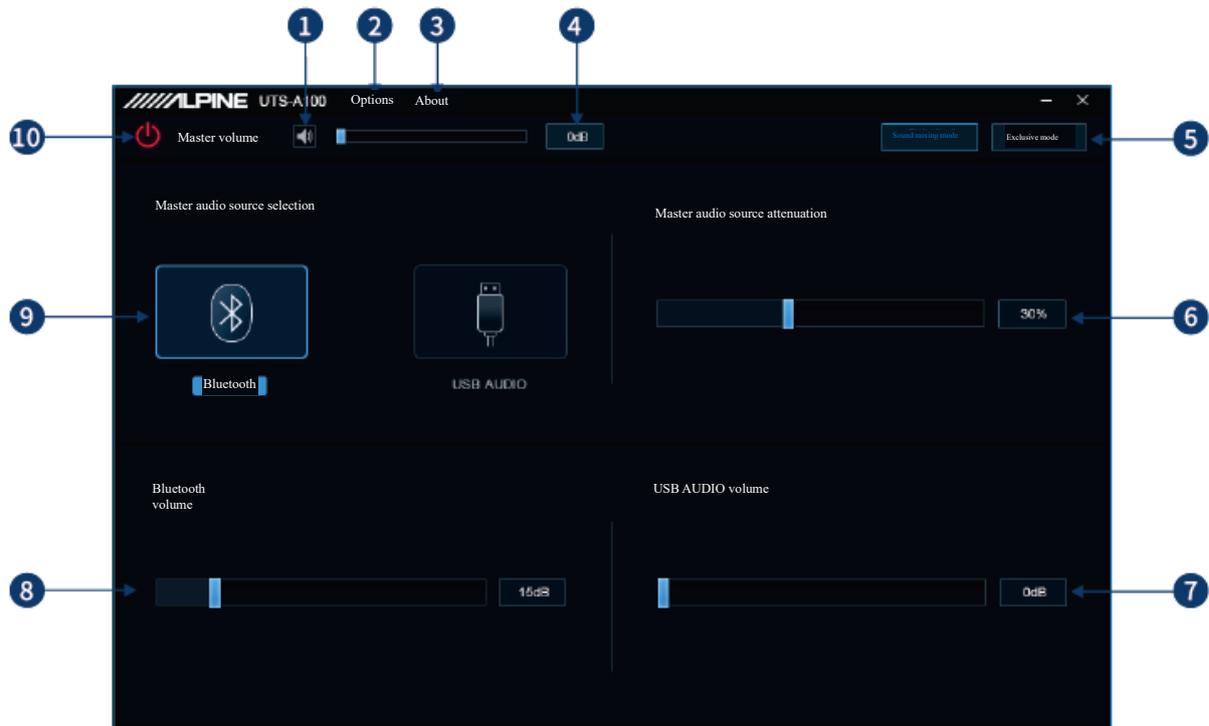
Note: The UTS-A100 can operate and control playback via the line control function of the mobile. As the line control function in certain mobile phones can adjust the volume by default, it should be set to be used for track switching. Taking Xiaomi mobile phones as an example, open the “Settings” in the phone and search the “Line Control” to select the “Control Previous Track/Next Track” function. For details, please consult the Alpine authorized dealer.

APP function operation



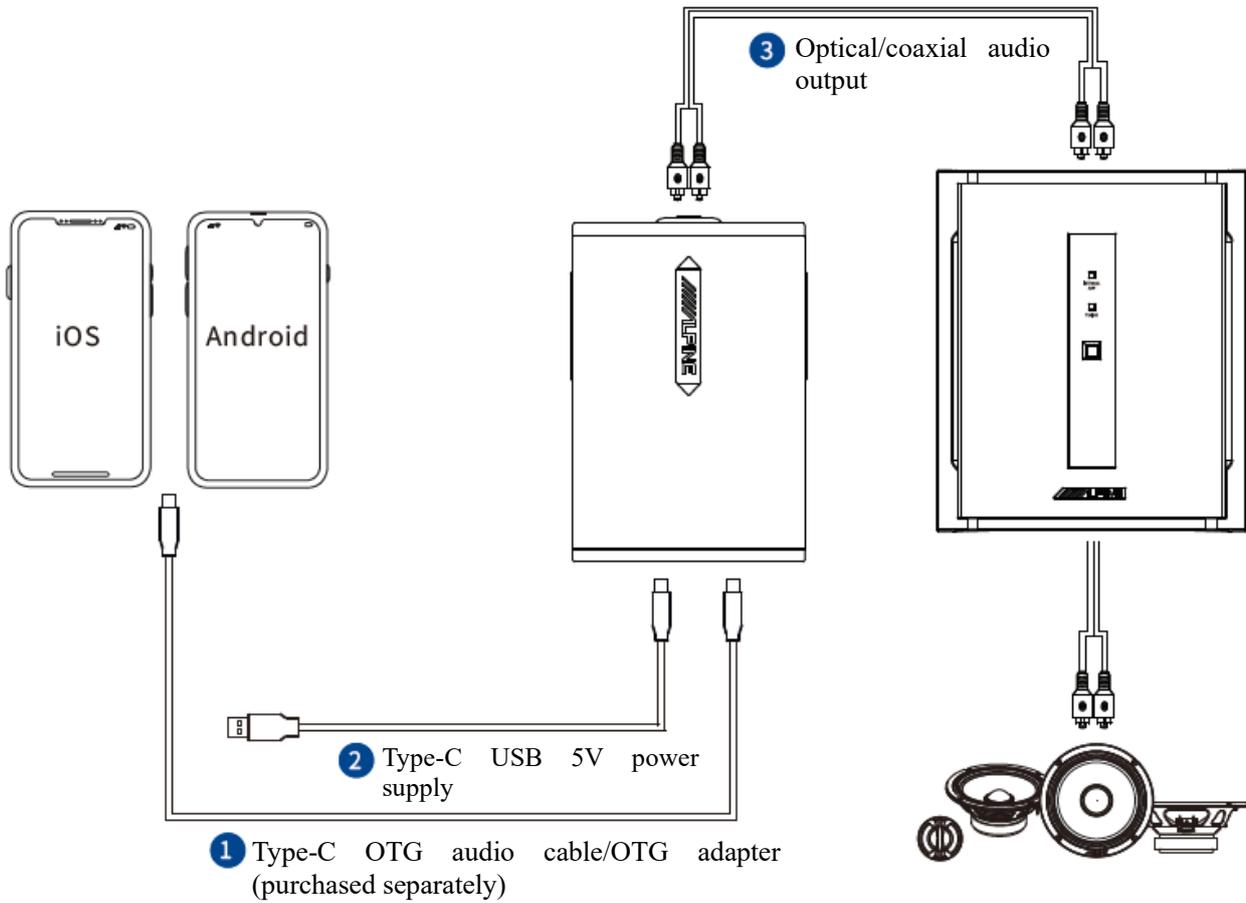
1	Master volume	Drag and rotate the volume adjustment fader or click "+" and "-" to adjust the master volume. The volume adjusting range is 0 ~ 27.
2	Mute button	Mute the master volume
3	Sound mixing or Exclusive mode	Sound mixing mode: Bluetooth and USB AUDI. For sound mixing of audio source, it is set at "Sound mixing mode" by default. Adjustment of master audio source attenuation is supported within the adjustable range of 0~100% Exclusive mode: for Bluetooth and USB AUDIO sources. The audio sources are output separately. No master audio source attenuation is available in the exclusive mode.
4	Menu bar	About: Check information on device version.
5	Bluetooth volume	Drag the volume adjustment fader or click "+" and "-" to adjust the Bluetooth audio source volume. The volume adjusting range is -60~0dB.
6	USB AUDIO volume	Drag the volume adjustment fader or click "+" and "-" to adjust the USB AUDIO source volume. The volume adjusting range is -60~0dB.
7	Master audio source	Switch master audio source (Bluetooth and USB AUDIO).

Function operation of computer software



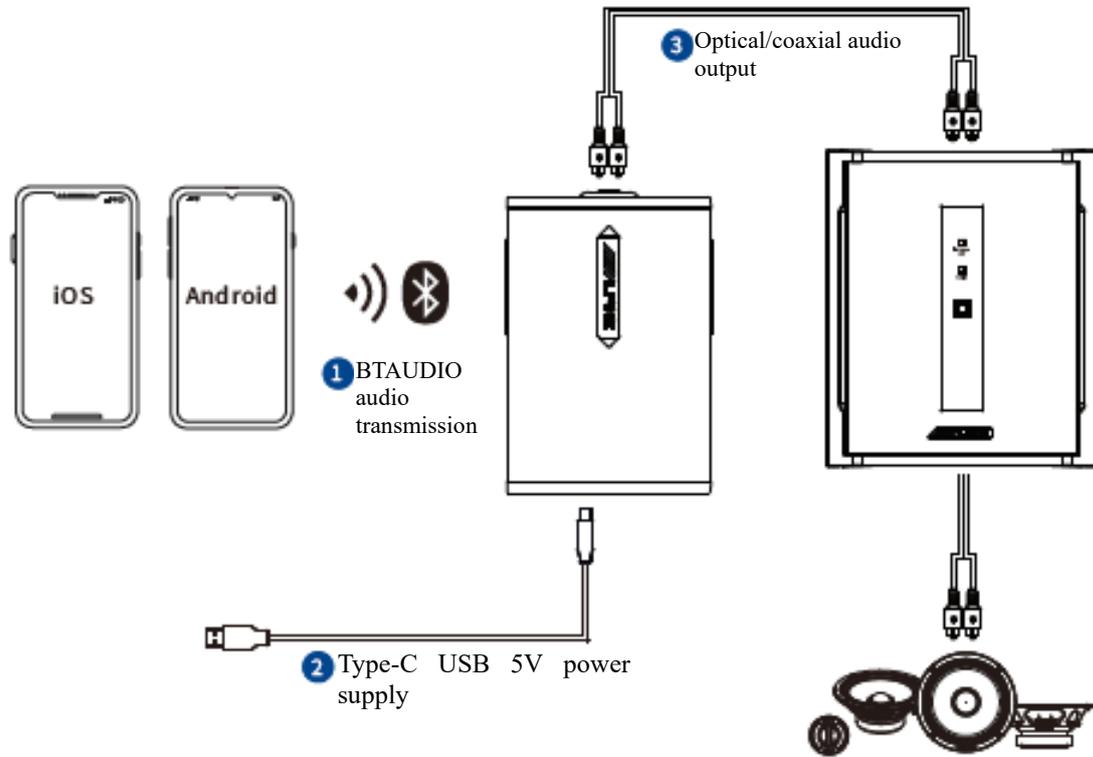
1	Mute button	Mute the master volume
2	Options	Sampling rate: The switching of system sampling rate of 96kHz/192kHz is supported. Please do not power off during the switching process. Firmware upgrade: Click to load the firmware for upgrade. Restore factory settings: Click to restore factory settings. Language: switch between Chinese and English.
3	About	Check information on device version.
4	Master volume	Push the fader left and right to adjust the master volume in the range of 0 ~ 27.
5	Sound mixing or Exclusive mode	Sound mixing mode: For sound mixing of Bluetooth and USB AUDIO sources, it is set at "Sound mixing mode" by default. Adjustment of master audio source attenuation is supported. Exclusive mode: for Bluetooth and USB AUDIO sources. The audio sources are output separately. No master audio source attenuation is available in the exclusive mode.
6	Master audio source attenuation	The higher the attenuation of master audio source, the lower the master volume is. The range of attenuation is 0% ~ 100%
7	USB AUDIO volume	Drag the volume adjustment fader or click "+" and "-" to adjust the USB AUDIO source volume. The volume adjusting range is -60~0dB.
8	Bluetooth volume	Drag the volume adjustment fader or click "+" and "-" to adjust the Bluetooth audio source volume. The volume adjusting range is -60~0dB.
9	Audio source selection	Switching between USB AUDIO and Bluetooth audio sources is supported.
10	Connection indicator	Connect the PC and the host machine with a Type-C power cord. Open the software to connect the device. Click it again to turn off the connection.

USB AUDIO system playback



1	USB AUDIO	Plug and play, <i>i.e.</i> , connect the music client in the mobile phone via Type-C OTG audio or OTG adapter for music playback. Track switching, volume adjustment, playback/pause can be performed in the music client and up to 192kHz/32bit HD lossless audio output is supported.
2	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply; a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter, etc. Power supply via the car cigarette lighter is recommended.
3	Optical/coaxial output	Optical/coaxial output to DSP device for playback of optical or coaxial digital audio signal, up to PCM 192kHz/24bit supported.

BTAUDIO system playback

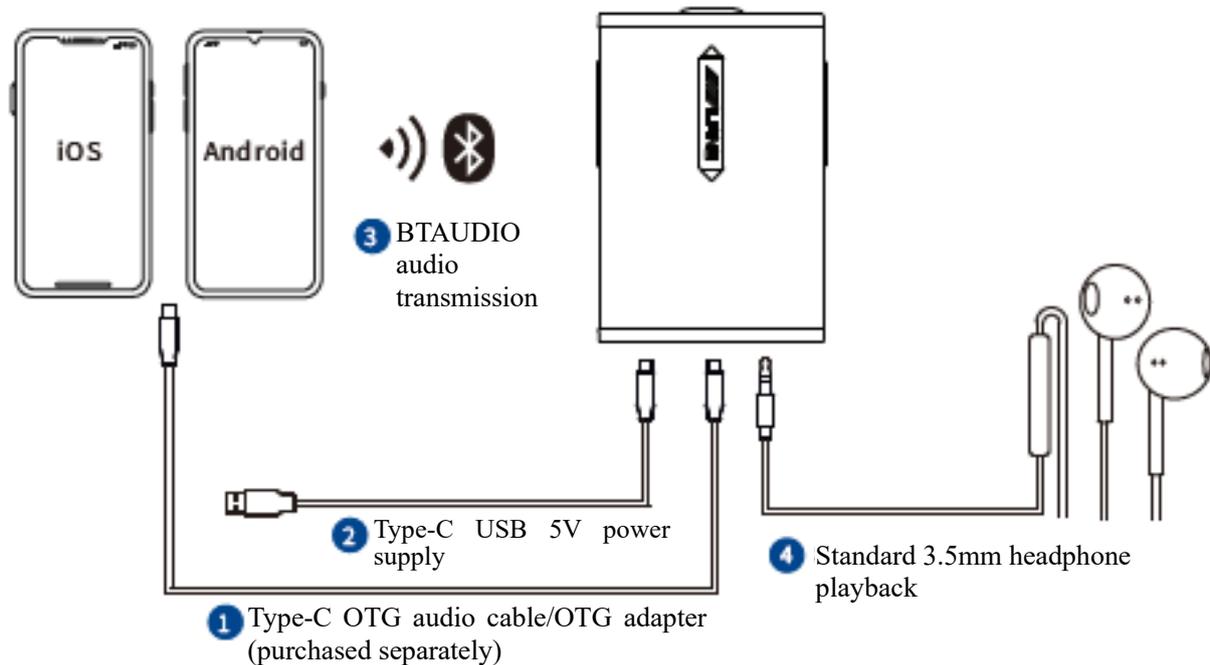


1	BT AUDIO	Built-in HD lossless Bluetooth. Search UTS-A100XXXXXX to connect for playback of HD lossless audio. Audio decoding format: LDAC/APTX-HD/APTX/AAC/SBC, up to 96kHz/24bit HD lossless audio output.
2	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply, a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter, etc. Power supply via the car cigarette lighter is recommended.
3	Optical/coaxial output	Optical/coaxial output to DSP device for playback of optical or coaxial digital audio signal, up to PCM 192kHz/24bit supported.

Note: For mobile configuration of HD lossless audio such as LDAC/APTX-HD/APTX:

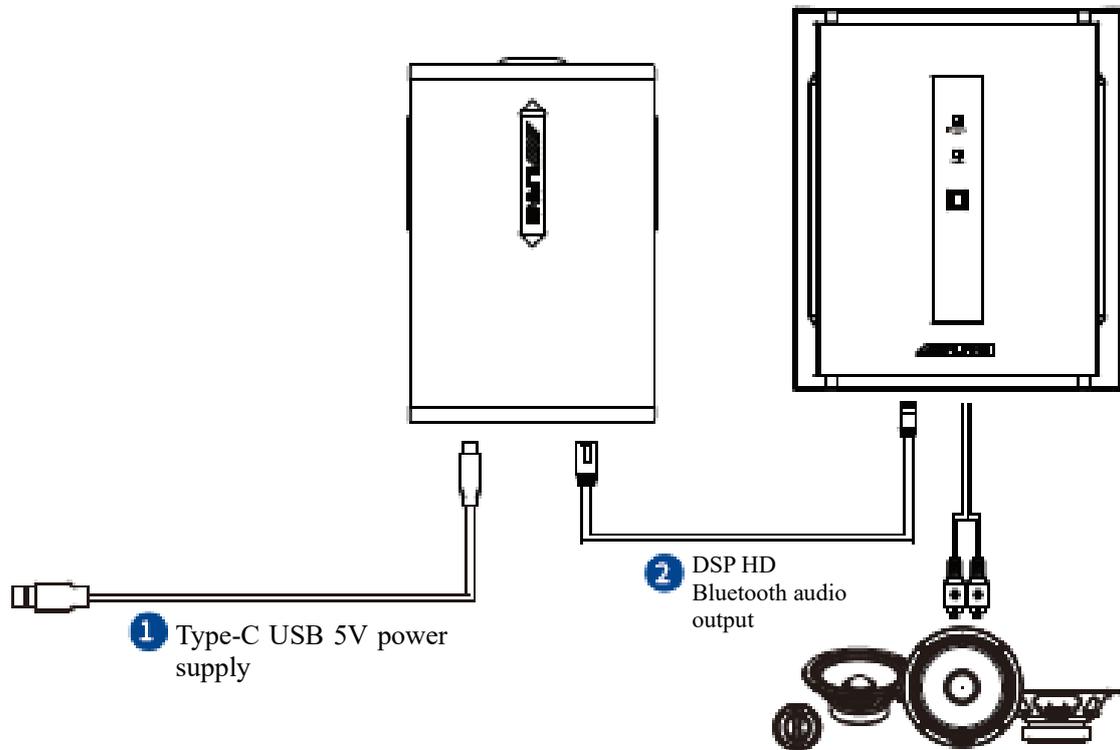
- (1) Open “Settings” in the mobile phone, select “Other Settings” and enter “Developer Options”;
- (2) Enter the “Developer Options” and set to turn on “HD Audio”;
- (3) After the “HD Audio” is turned on, connect the UTS-A100 to play wireless Bluetooth audio source. For Bluetooth audio encoder, the LDAC audio sampling rate of up to 96kHz/24bit is supported.

Standard 3.5mm headphone playback



1	USB AUDIO	Plug and play, <i>i.e.</i> connect the music client in the mobile phone via Type-C OTG audio or OTG adapter for music playback. Track switching, volume adjustment, playback/pause can be performed in the music client and up to 192kHz/32bit HD lossless audio output is supported.
2	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply; a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter, etc. Power supply via the power bank and portable charger is recommended.
3	BT AUDIO	Built-in HD lossless Bluetooth. Search UTS-A100 XXXXXX to connect for playback of HD lossless audio. Audio decoding format: LDAC/APTX-HD/APTX/AAC/SBC, up to 96kHz/24bit HD lossless audio output.
4	3.5mm headphone amplifier audio	Standard 3.5mm headphone audio output, sound frequency up to 40kHz.

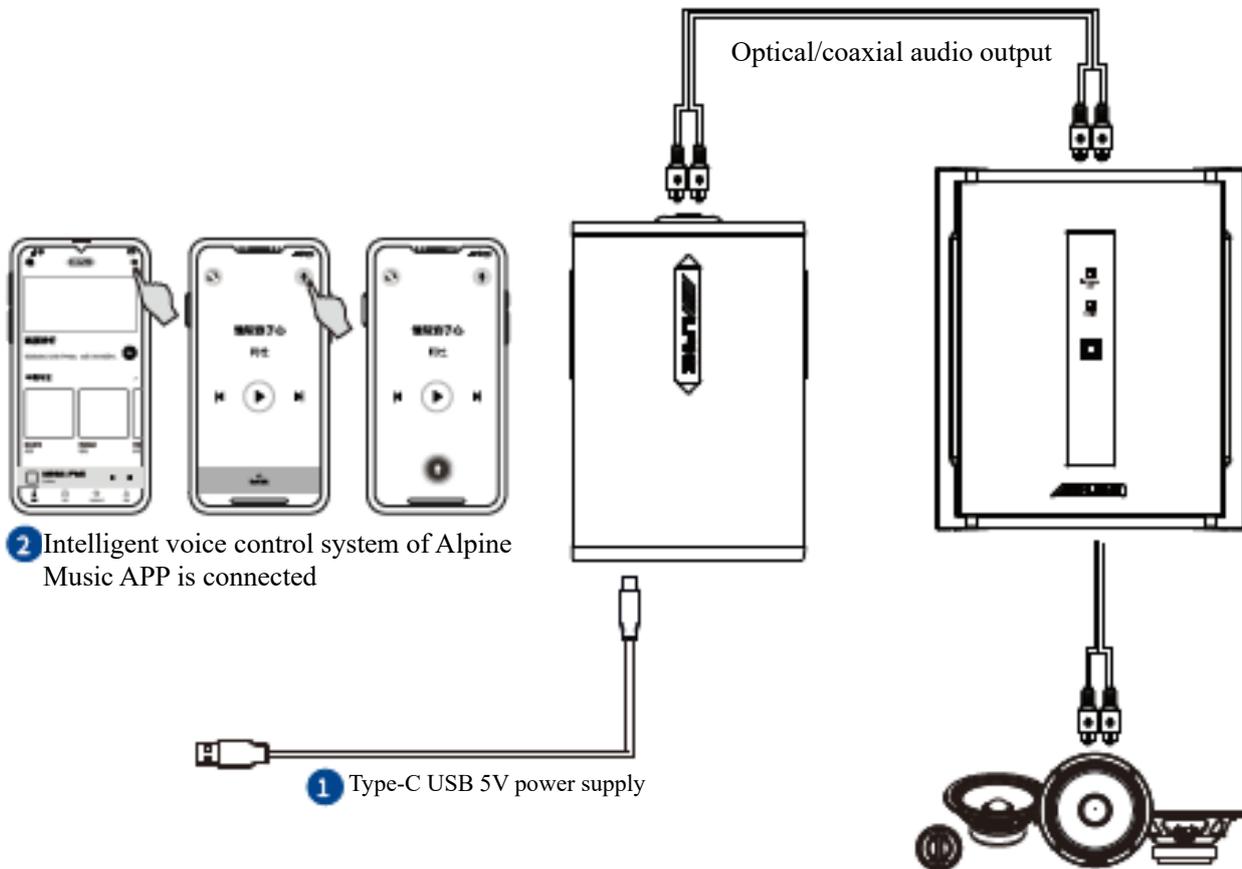
DSP control system



1	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply, a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter. Power supply via the car cigarette lighter is recommended.
2	DSP HD Bluetooth audio	Connect UTS-A100 and DSP device via Bluetooth cable: (1) Audio signal: Bluetooth audio signal output to DSP device for playback: (2) Control signal: As an external Bluetooth of DSP, connect for professional tuning of DSP device.

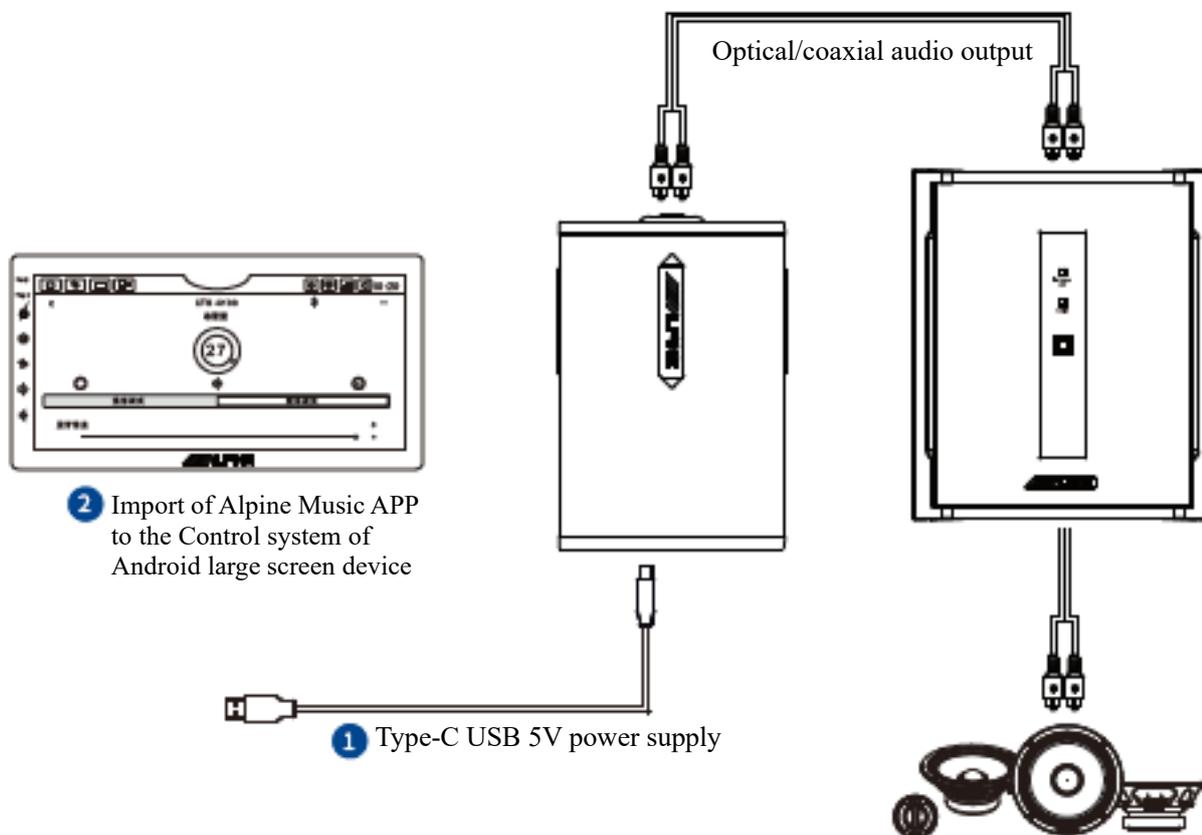
- Note: (1) Connect external Bluetooth interface of UTS-A100 and DSP device via Bluetooth cable,
 (2) And click to search UTS-A100 XXXXXX Bluetooth in DSP tuning APP device for connection and pairing;
 (3) After the pairing is successful, the APP device is connected to Bluetooth as control signal to perform tuning;
 (4) At this time, as the external Bluetooth audio source of DSP device, up to 48kHz/24bit Bluetooth audio is supported.

Intelligent voice control system of Alpine Music APP



1	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply, a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter. Power supply via the car cigarette lighter is recommended.
2	Intelligent voice control system of Alpine Music APP is connected	<p>In using Alpine Music APP high-resolution audio source, UTS-A100 can perform voice control of the system via intelligent voice control of Alpine Music APP.</p> <ol style="list-style-type: none"> (1) Open Alpine Music APP to enter the music interface. Click “Settings” in the upper right corner to enter the “Driving” mode; (2) In the driving mode interface, click the small voice control icon in the upper right corner; (3) The voice control interface pops up, and you can perform Previous/Next Track, Play/Pause, Volume Adjustment and other voice commands.

Import of Alpine Music APP to Android large screen system



1	Type-C USB 5V power supply	Independent Type-C USB 5V power supply and portable power supply, a variety of power supply methods are supported, including power supply via mobile phone, power bank, portable charger and car cigarette lighter. Power supply via the car cigarette lighter is recommended.
2	Import of Alpine Music APP to control system of Android large screen device	<p>Import of Alpine Music APP to control Alpine Android large screen device.</p> <p>(1) Group Alpine Music APP to Android large screen; after successful grouping, open the UTS-A100 device;</p> <p>(2) Click Previous/Next Track on the large screen for normal switching of previous and next tracks in this control system;</p> <p>(3) Click Volume Adjustment on the large screen for normal volume increase and decrease adjustment in this control system;</p> <p>(4) Click Play/Pause on the large screen for normal playback/pause of tracks in this control system.</p>

Product parameters

Bluetooth audio decoding formats	LDAC/APTX-HD/APTX/AAC/SBC
Bluetooth sampling rate	96kHz/24bit
USB decoding sampling rate	192kHz/32bit
Optical/coaxial sampling rate	192kHz/24bit
Frequency response	20Hz ~ 40kHz
Signal to noise ratio	≥117dB
THD	<0.002%
3.5mm headphone output power	80mW
Headphone-adaptive impedance	32Ω
Power port	Type-C (USB 5V power supply)
Net weight	153g
Dimensions	106mmX72mmX24mm

