

Bluetooth Car Adapter

YT-BTA

User Manual

English

YATOUR[®]

1- Product Introduction

1.1 Description

Nowadays, using mobile phone during driving is widely considered dangerous, and hands free car kit ensures driving safety. As the using of smart phone is widespread, it is urgent need for most of drivers to enjoy huge music sources and other Apps of their smart phone via car stereo.

For above demands, Yatour Bluetooth car adapter (BTA) is released. Developed according to original protocol of OEM car stereo, BTA is a high-tech product innovatively integrated with latest standard Bluetooth technology.

Main Features:

1. Plug & Play: installed via original CD changer port, easy and fast, perfectly integrated with the car.

2. Hands-free Phone Call (HFP): supports Answer/Hang up etc., via car radio buttons and steering wheel buttons.

3. Wireless A2DP Playback: easily streaming music of Bluetooth devices into factory car stereo system.

4. Bluetooth AVRCP Control: controls Prev/Next Track, Pause/Play, Fast forward/backward via car radio buttons or steering wheel buttons easily and safely.

5. AUX Input: Supports 3.5mm auxiliary input, able to connect any external audio sources.

6. Easy Charge: Offers 5V/1A standard USB charging port.

7. Hi-Fi Sound Quality: Connected to car stereo via wire harness, no interference and no loss of sound quality, rivaling original CD sound.

BTA allows you to easily have popular configuration of advanced car stereo, is the best choice for safe driving and enjoying digital music.

1.2 Accessories



Module Unit



Wire Harness



Microphone



3.5mm AUX Cable



User Manual

1.3 Optional Accessories (additional purchase)



Remote Control



Parallel Harness



Converter Cable



Noise Filter



Removal Tools

2- Installation Guide

Before installation, please carefully read the Manual.

2.1 Installation Preparation

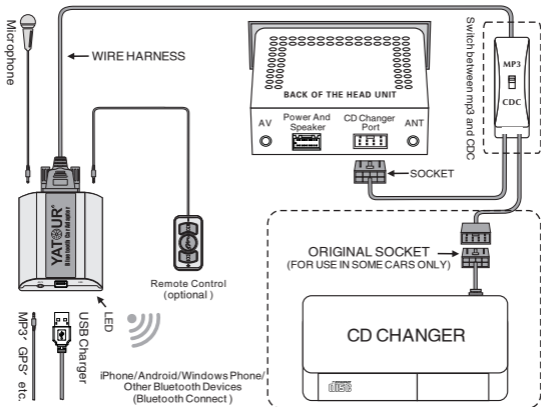
1. The product only operates on a vehicle with 12 Volt DC negative ground system. Do not use it on other voltage system.

2. This product only fits OEM or aftermarket car stereo with CD changer port, and different solutions of Bluetooth adapter would be adopted according to different brands of vehicles or different car radios.

3. Make sure car stereo is powered off before installation, otherwise the car stereo may be damaged. It is suggested to install it at car dealer shop or professional car stereo store.

4. Usually, the car stereo needs to be removed so as to plug BTA's main connector into CD changer port on radio back. For some car models, BTA can be installed in glove box or trunk where external CD changer port is located (Requires special splitter cable).

2.2 Installation Diagram



2.3 Installation Steps

1. Turn off car engine and remove key from ignition, if car radio uses a security code, make sure that you have the code before unplugging the radio.
2. Unmount the radio from the dash in order to get access to the back side of the radio, and find CD Changer port at the back of the radio. For details of unmount, please refer to car user manual or car stereo manual, or ask professional staff to unmount the radio.
3. Connect wire harness to BTA module unit in advance. Be sure to make a firm connection. Then attach the wire harness connector to the back of stereo to the CD changer port. And attach the ground wire (for some models) to metal part of the car stereo body. For some models requiring extra connection of ACC or 12V battery, please connect related wires to correct ACC power or 12V battery power.
4. Connect our microphone to microphone port of BTA module unit. Choose a proper mounting location for the microphone either on the upper part of A-pillar on driver side or near centre rear view mirror or head liner console control panels region. Carefully arrange plugs. To guarantee the voice quality, please mount the microphone next to driver as close as possible. If a user already has remote control unit, please mount remote control unit on dash board or any position easily touched by driver, and carefully arrange plugs at last.
5. Turn on the car and power on car Head Unit, press CD (or Disc / Mode / CDC / SOURCE / AUX) button for once or twice to switch to playback mode of BTA, with the symbol of red LED light being on.
6. Turn on the Bluetooth function of mobile phone, search and pair with Bluetooth device named "BTA", Mobile phone will be able to connect to BTA after paired successfully. Test with mobile phone to confirm whether Bluetooth phone call and Bluetooth music work normally.
7. After successful test, re-assemble the radio, and put wire harness and module unit box in proper place(glove box, storage box, etc.),fasten screws between module unit and wire harness. Put back car head unit into original position. Now the installation is finished.

2.4 Important Installation Notes

1. As to some vehicles with external CD Changer, which occupies original CD changer port, Parallel Harness is needed to keep the use of original CD changer (For some models only). Installation refers to former diagram.
2. As for Audi factory radio of mini ISO 8 pin, its CDC connector is 20-pin block connector, in order to install BTA, it requires to cut the 8-pin part or connect with our special Audi 20-pin adapter cable.
3. As for Clarion protocol radios, such as some Subaru radio and Suzuki radio, it requires to totally unplug the wire harness from car power before installation. Moreover, it is easy to plug connector in the opposite direction on Clarion radios, which causes short circuit. Make sure the connector is plugged in correct direction.

4. As for installation on CAN-Bus radios of Peugeot/Citroen, Renault, Ford (new) and Mazda (new) and Opel, it is required to unplug the radio from the power before installation. Otherwise, BTA might not work properly or the radio might be damaged. Regarding Peugeot/Citroen without pre-installed CD Changer, to enable BTA to work, the CD Changer function must be activated by professional tools. Please enquire the Peugeot/Citroen dealer on how to activate the CD Changer function.
5. As per BMW radios with CD Changer, the CD Changer must be completely disconnected before installation (The 3-pin and the 6-pin connector, both are located in the trunk, must be disconnected), otherwise BTA will not be recognized. Besides, if the BMW radios are with DSP, extra DSP kit and specific BTA would be used.

3- Functions Introduction and Usage Preparation

3.1 Working Modes Instruction

Read over this instruction carefully before using Yatour.

After finishing installation of BTA, press once or twice the CD (or Disc / Mode / CDC / SOURCE / AUX etc.) button to switch to CD changer working mode (BTA mode).

Yatour BTA offers 2 types of working modes: HFP/A2DP mode, AUX IN mode.

Under BTA Bluetooth HFP/A2DP working modes, the car stereo must be under CD1 mode, and you should see CD 1-1 on you car stereo.

When pressing CD02 or Disc+ buttons to switch to CD2 mode, BTA's AUX input will be valid.

3.2 Connect Bluetooth Mobilephone to BTA

Initial Connection

After BTA being installed, it will automatically direct to the Bluetooth Pairing Status, this status keeps 3 minutes, during which BTA can be found and connected by other Bluetooth devices.

1. Turn on Bluetooth of mobile phone, starts to search Bluetooth device (Detail instruction is showed on mobile phone manual).

2. Turn on the car stereo and switch to BTA playback mode, BTA red LED indicator will keep lighting, which means BTA starts to work.

3. Search BTA on your mobile phone via Bluetooth. If in 3 minutes BTA is still not paired successfully, BTA will enter standby status. Under standby status, BTA can not be found or connected by other Bluetooth devices. Need to hold [>>] fast forward button on car radio for 5 seconds, then BTA will enter pairing status and keep this status for 3 minutes.

4. Connect with BTA, if pairing code is asked, please enter"0000". Smart phones usually do not need to enter any pairing code.

5. After successful pairing, some mobile phones may need setting BTA as a default Bluetooth connection. This depends on mobile phone's function and setting.

6. BTA allows connected to up to 2 Bluetooth devices, such as 2 mobile phones. The two mobile phones need to be paired and connected to BTA according to above ways, so that they can be used with BTA. When connected with two Bluetooth devices, some functions of BTA can not be used without optional remote control unit.

Non-initial Connection

If BTA has already been paired by mobile phones before, when the car stereo turns on, BTA will automatically try to connect the last-connected mobile phone. Please make sure mobile phone's Bluetooth is turned on.

1. Turn on car stereo, BTA will automatically try to connect mobile phone. After connection is successful, beep tone will come out from car speaker.

Notice: some mobile phones may ask whether connect to BTA, please set the mobile phone to authorize connection of BTA, so that BTA is able to connect mobile phone automatically.

2. If BTA is not able to automatically connect to mobile phone when car stereo turns on, BTA will automatically enter into pairing status and keep pairing status for 3 minutes, during which BTA will not automatically connect to mobile phone.

3. If BTA is not connected to mobile phone, Press [>>] fast forward button once or switch between FM/AM mode and CDC mode, then BTA will automatically try to connect mobile phone. Also user can operate on mobile phone menu to connect mobile phone with BTA. If many times of connections are failed, users may need to pair again. Please refer to instruction of Initial connection.

4. If there are two Bluetooth devices paired with BTA before, the two Bluetooth devices will connect to BTA in order of final connections sequence. The first connected device is named main device, second connected device is named secondary device.

Disconnect existing Connection.

If BTA has already been paired by mobile phones before and you want to connect to other new mobile phones, You have to disconnect current connected mobile phones and force BTA to enter pairing status. Following are several ways:

1. When BTA is under non-conversation status or A2DP status, hold radio fast forward button [>>] for 5 seconds, BTA will disconnect existing connection and enter pairing status.

2. If user already has a remote control Unit, hold the Answer/Hang up button on remote control unit for 5 seconds, BTA will disconnect existing connection and enter pairing status.

3. User can also turn off or disconnect Bluetooth on mobile phone menu, and then hold radio fast forward button [>>] for 5 seconds, BTA will disconnect existing connection and enter pairing status.

3.3 Make Calls

Make sure car stereo is turned on and mobile phone is connected with BTA.

1. Press CDC source button to switch to BTA mode.

2. Making phone calls on mobile phone.

3. If car stereo is turned off or car stereo is under FM/AM or other non BTA mode, user can turn on car stereo and switch to CDC mode; it will automatically turn to Bluetooth hands free phone call. But some mobile phones may need manually turning to Bluetooth phone call.

4. During making a call or conversation, user can press radio fast forward button [>>] to hang up the call. Switching to FM/AM or other non BTA mode will automatically hang up the phone call too.

3.4 Answer Calls

Under BTA Bluetooth Working Status

When car stereo is turned on and switched to BTA mode, and mobile phone is connected with BTA.

1. An incoming call will mute A2DP music play automatically, and rings will come out from car speaker. Some text capable radios will display info call coming in.

2. To reject the coming call, please hold radio fast forward button [>>] till the call is rejected. Then BTA will resume playing the last song. User also can turn to non BTA mode (FM/AM modes etc.) to reject a coming call.

3. To answer a call, user just needs to press the radio fast forward button [>>].

4. To end a call during conversation, press radio fast forward button [>>]. Then the call is ended and BTA will continue the former music playback. User can also turn to FM/AM modes etc. to end a call too.

Other Working Status (Radio turned off, FM/AM modes etc.)

When car stereo is turned off, or the car stereo is under FM/AM or original CD changer or other non-BTA modes.

1. When a phone call is coming in, the phone rings. Some car stereos can automatically mute and make the FM/AM, CDC and other sound sources automatically stop or mute. This function requires help of special wire harness. For detail car radio types that supports mute function, please refer to application list of BTA.

Notice: Under phone call mode (mute mode), some car stereos' buttons will be locked till BTA cancels mute for car stereo after 5 seconds. Please operate car radio buttons after mute mode is cancelled.

2. Turn on car stereo (if it is off), press CDC source button to switch to BTA mode, the phone call will be automatically answered. If user already answered the call on

mobile phone before, the former operation will automatically switch the car stereo to BTA Bluetooth hands free phone call. But some mobile phones may need manually switching to Bluetooth phone call status.

3. To end a call during conversation, press radio fast forward button [>>], then the call is over. User can also turn to FM/AM modes etc. to end a call automatically.

4. Under non-BTA mode, it is not able to reject a coming call via car radio button. If necessary, it is advised to set automatically rejecting a call if the call is not answered for some time on mobile phone. Or directly reject the call on mobile phone. If users already have a remote control unit, under this status, users can hold the hang up button on remote control unit to reject a call.

3.5 Private Phone Call

Hold radio fast forward button [>>] for 2 seconds during conversation, and the call transfers from Bluetooth hands free to mobile phone private status. Hold radio button [>>>] for 2 seconds again, the call turns back to Bluetooth hands free again. If users already have a remote control unit, during conversation, users can hold the hang up button for 2 seconds and the call transfers from Bluetooth hands free to private mobile phone conversation.

3.6 Other Functions of Bluetooth Hands free

1. Only when Bluetooth hands free is under CD1 mode, Pressing CD02 button or Disc+ button during conversation will end a call .

Do not press radio buttons other than [>>>] button and source buttons once the call is coming in and till the conversation is over. Otherwise, the former A2DP music playback may be disturbed or other uncertain status will appear.

2. If there is another call coming during conversation of same mobile phone, the call tone will come out from car speakers(If the mobile phone and operator supports), user can press radio button [>>] to hang up current call and answer the coming call.

3. If there are two mobile phones both connected with BTA at same time, when the mobile A is under conversation and a call coming from mobile B, user can press radio button [>>] to hang up current call and answer the coming call.

3.7 Streaming Mobilephone Music into Stereo (A2DP)

Make sure the mobile phone has already been connected with BTA via Bluetooth, the mobile phone must support Bluetooth music playback function (A2DP) and must be under Bluetooth music transfer mode (Refers to mobile phone user manual). During A2DP music playback, BTA must be under CD1 mode. When pressing CD02 or Disc+ buttons, BTA will automatically stop A2DP music playback, and now BTA's AUX input is valid. Pressing CD01 or Disc- buttons will automatically resume A2DP music playback.

When BTA is under A2DP music playback, the car head unit screen usually displays CD 1-1(Different car radios may displays different info), track numbers display will not be changed as the change of playback songs. If pressing Prev/Next Track buttons, the radio screen display info may be changed, but this display info can not express the real exact track info.

Manual Playback

1. Switch to BTA Bluetooth mode on car stereo.
2. Open music App on mobile phone and play, the music will automatically come out from car stereo system.

Smart Playback

When the music App of mobile is paused

1. Press CD source button to switch to BTA Bluetooth working status, the music App of mobile will automatically start to play.
2. Turn off car stereo or switch to FM/AM/original CD changer and other non-BTA mode, the music App of mobile will automatically be paused.

Playback Operation(AVRCP)

When mobile phone is under status of A2DP music playback, BTA is able to control music of mobile phone, to achieve Pause/Play, Prev/Next Track, and Fast forward/backward functions.

1. When mobile music is paused, press radio button [>>] and the music will start to play.(Notice: On Apple IOS system music App needs to wait for 10 seconds to start to play after it was paused)

2. Prev/Next Track: Press radio buttons [|<] and [>|] to switch tracks of mobile phone music.

3. Fast forward/backward: Press radio buttons [<<] and [>>] to fast backward and fast forward the song being played. Notice: Some mobile phone or music Apps do not support A2DP music fast forward and fast backward functions. If the former buttons do not work, that means the mobile phone does not support such functions, not means BTA error or functional defect.

4. When two Bluetooth devices are connected with BTA at same time, BTA can only allow one of them to play music. For example, if device A is playing, sound of device B can not be played via Bluetooth. To play device B, user needs to pause device A playback.

5. Pause/Play: Press radio button [||] once, mobile phone music is paused; Press button [||] again, music will play again. Turn off car stereo or switch to FM/AM mode or original CD changer mode(out of BTA mode),mobile phone music will be paused automatically. Switch back to BTA mode, music playback will continue.

3.8 AUX Audio Input

AUX IN function can provide an external audio input to the car audio for your convenience. Any portable devices with 3.5mm auxiliary input can use it, such as MP3,PSP,GPS and smart phones(some of them require special cables) etc., able to achieve popular function like listening to internet radios.

When you need to use AUX IN function, press radio button CD2 or Disc+ to switch to AUX input mode. Now BTA automatically stop Bluetooth A2DP playback, AUX input audio is able to play normally.

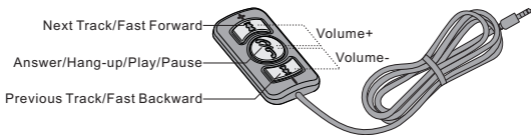
3.9 USB Charging Function

BTA module offers a standard USB charging slot, provides maximum charge current of 5V 1A.

Improper use of high current devices via this USB port will cause overload risk, this may reduce BTA sound quality or stop BTA working or even damage it. This USB slot is for charging only, not for data reading or data transfer.

3.10 Remote Control Unit(optional) Function Introduction

BTA provides an extension slot for remote control, allows users to add a special remote control unit(not standard part, needs to be purchased separately). The remote control unit is integrated with Answer/Hang up button, previous track button and next track button, able to achieve some functions that OEM car stereo can not do. Its operation is more intuitive and convenient. The appearance and buttons function setting are as follows:



The remote control unit is small , flexible to install and layout in car. Directly plug it into remote control slot of BTA module, and then put it on a proper position in car.

Answer/Make a call

1. When there is an incoming call, click Remote Control button Answer/Hang up to answer it or hold the Remote Control button Answer/Hang up to reject it. Clicking remote button Answer/Hang up during conversation will hang up current call.
2. When Bluetooth connection is off, click Remote Control button Answer/Hang up

and BTA will automatically connect to last-connected device.

3. When BTA and mobile phone are connected via Bluetooth, Double clicking Remote Control unit Answer/Hang up button will achieve redialing last called phone number. When two mobile phones are connected to BTA via Bluetooth at same time, only the mobile phone as main device is able to response to the command of redialing last called number.

4. When BTA and mobile phone are connected via Bluetooth, in non-conversation status, hold Remote Control button Answer/Hang up for 2 seconds and release, you can hear two beeps tone for voice dialing, that means it already enters voice dialing status, at this time mobile phone also reminds entering voice dialing status. Only the mobile phone as main device is able to response to command of voice dialing. Notice: Voice dialing command can be responded only after Answer/Hang up button is released. Do not hold for over 5 seconds, or it will lead to command of disconnect current connected device.

5. No matter current Bluetooth device is connected successfully or not, hold Remote Control button Answer/Hang up for 5 seconds, BTA will enter pairing status, at this time BTA is discoverable for other Bluetooth devices. If Bluetooth connection is already successful, the former operation will disconnect current connection and BTA enters pairing status.

6. During conversation, if there is an incoming call from same mobile phone, the call tone will come out from car speakers (If the mobile phone and operator supports), user can press Next Track button to hang up current call and answer the coming call. If press Previous Track button, the first call can be reserved and the coming call will be answered. If you want to switch back to the first call and reserve the second call, you can press again Previous Track button on remote control unit; If you want to switch back to the first call and do not reserve the second call, you can press Next track button.

7. If there are two mobile phones both connected with BTA at same time, when the mobile A is under conversation and a call coming from mobile B, user can press remote button Next Track to hang up current call and answer the coming call.

8. Hold Answer/Hang up button on remote control unit for 2 seconds during conversation, the call transfers from Bluetooth hands free to mobile phone private status. Hold Answer/Hang up button on remote control unit for 2 seconds again, the call turns back to Bluetooth hands free again.

A2DP Music Playback

When mobile phone is under status of A2DP music playback, users can also operate mobile phone music via remote control unit, to achieve Pause/Play, Prev/Next Track, Fast forward/backward functions. The detail functions are same as on original car stereo

1. Under A2DP music playback status, Press Answer/Hang up button on remote control unit achieves Pause/Play function.

2. Press Previous track button [<<] or Next track button [>>] achieves Previous Track or Next Track functions on mobile phone.

3. Holding Previous track button [|<<] or Next track button [>>|] achieves Fast forward or backward functions on mobile phone.

3.11 Sound Volume Adjusting on BTA

Only if BTA with Remote control unit, BTA could achieve volume adjusting function. Sound volume adjusting of HFP Bluetooth phone call and sound volume adjusting of A2DP music play, they are independent of each other. Sound volume setting will be saved automatically after adjusted, which is only valid for current mobile phone. If changing another mobile phone, sound volume setting has to be adjusted again. Detail setting methods as follows:

HFP Bluetooth hands free sound volume adjusting: When BTA is under HFP Bluetooth hands free phone call status, press both Previous Track button and Answer/Hang up button on remote control unit for once, and the sound volume of HFP Bluetooth phone call will decrease a level with warning tone on some mobile phones. When the sound volume is adjusted to lowest level, there will also be warning tone of lowest sound level. Press both Next Track button and Answer/Hang up button on remote control unit for once, and the sound volume of HFP Bluetooth phone call will increase a level with warning tone on some mobile phones. When the sound volume is adjusted to highest level, there will also be warning tone of highest sound level.

A2DP music playback sound volume adjusting: When BTA is under A2DP music playback status, the operation of A2DP music playback sound volume adjusting and the warning tones of the operation are same as that of HFP Bluetooth hands free sound volume adjusting.

Generally, we do not advice that you adjust the sound volume to highest level, which will cause volume distortion.

3.12 Paired Devices List Clearing

BTA can support up to two mobile phones or other devices, and recently paired devices will be saved on BTA's pairing list. When turned on, BTA will automatically try to connect the last two connected Bluetooth devices for your use convenience. Clearing unwanted devices from list speeds up connecting of BTA and avoids music stuck when BTA turns on.

Hold both Previous Track button and Next Track button on remote control unit for 5 seconds, all the paired devices on BTA's list will be cleared, and now BTA enters pairing status. Once Pairing list is cleared, it can not be resumed; you need to pair with device again before using it. Pairing list can only be cleared by Remote Control buttons.

3.13 LED Indicator Status Instruction

When BTA works normally, red LED indicator will keep lighting on BTA module. If you are not able to switch to BTA mode and red LED indicator is not on, that means BTA is not compatible or is not correctly installed.

When turning to FM/AM mode or other sources mode on car stereo, BTA will automatically stop working, Red LED indicator is off. When turning off the car, red LED indicator will flash for seconds and go off, meaning BTA is cut off from power.

The blue LED indicator is Bluetooth working indicator, changing with Bluetooth working status.

4- Important Compatibility Tips

1. On most car models, to switch between built-in CD changer and BTA, you only need to press CD source button for once or twice, same as original car stereo operation.

2. On some car models BTA is with MP3/CDC switch cable, when needing to use original CD changer, you just have to switch to CDC end; Conversely, switch to MP3 end to play BTA. Such switching is advised to be operated when car stereo is turned off or the car is turned off. Some car models may require turning off and restarting car stereo for once after switching so that it can work normally.

3. On some car models with pre-installed CD changer, you need to disconnect original CD changer to install BTA.

4. Yatour BTA Bluetooth car adapter operations, such as Prev/Next Track, Disc+/Disc-, Fast forward/backward are almost equal to operations of original built-in CD changer or external CD changer.

Some buttons of some car stereos may be changed, but such changes will not affect functions of original built-in CD changer and external CD changer. Functions not mentioned in original car stereo manual can not be achieved on BTA either. There may be a little difference on functions of different car models and different car stereo brands.

5. On some car stereos, too frequently pressing buttons during operation may cause track info displays incorrectly or playback stuck. And you can turn off car stereo and restart it.

5- Common Troubleshooting

1. BTA doesn't work after installation.

Please check whether the wire harness is correctly connected. And if there is GND wire (for some car models), please check whether it connects well with metal parts of car radio.

2. Frequently switching or other unknown reasons cause playback stuck.

Music playback is from function of mobile phone, you just need to start the playback from mobile phone menu.

3.External audio input(AUX IN) sounds too low or too much noise.

Adjust volume of earphone output of your external audio device;

It is not proper for external audio devices to use car power, because common ground noise will occur in this case. External audio device should use its own battery to play.

4. Why I can still hear the former mobile phone Bluetooth A2DP music when I plug in AUX device?

When AUX IN function is used, you need to press CD2 button or Disc+ button so as to switch BTA to AUX input mode, then AUX input audio can be played.

5. My car has a CD changer already, and can I still add an BTA?

For some cars models equipped with existing CD Changer, we can offer Parallel Harness, which allows BTA to hook up with the existing CD Changer. On Some car models you only need to press CD switching buttons once or twice so as to switch between the two devices. But on some other car models you need MP3/CDC switch to change between them. However, please note Parallel Harness is not available for all cars.

6.BTA is universal for all kinds of car models?

No, since all kinds of car brands have different CD changer port types, BTA have different connectors for different car brands; the hardware and software of BTA are different too.

6- Specifications

Voltage Input : 11V~14.6V DC

Standby Current : 20mA

DAC Resolution : 20bit

SN Ratio : 90dB

Operational Current : 600mA

Operating Temperature: -35℃~+75℃

Total Harmonic Distortion : 0.05%

Frequency Response : 20HZ-20KHZ

7- Warranty

All the items are guaranteed against manufacturing defects for a period of twelve months from purchase.

8- Disclaimer

The hardware and software along with the function setting are subject to change without prior notice.

All trademarks are the property of their respective owners, under the protection of law.

For more information about our products, technology and the usage technique, please visit our website at www.yatour.net.