

60T USER MANUAL



This manual will give you a detailed introduction to the installation, function and use of 60T background music controller, so that you can use this product more quickly and conveniently, and enjoy the music feast to you with the right turn product. Please read this manual carefully before you use it.

About Products

Do not use this product under the following conditions: When the product emits an unusual odor, the color or shape of the product changes, or other abnormalities occur during use.

Do not expose this product to high temperatures or high humidity as it may cause damage to the product due to overheating or short circuit.

About waterproof

Do not put the product in water or spill it on the product. Do not use this product in a humid environment such as a bathroom. If the product is exposed to water, thoroughly dry all connections on the product body that may have entered the water. Do not use this product when it is close to water.

Even if it occurs within the warranty period, failure due to improper use of water damage is not covered by the product warranty.

Precautions

1. This machine is only suitable for AC power supply of AC110-220V.
2. Do not route the weak electric signal line and the strong electric signal line in parallel during wiring construction.
3. When connecting various connections, do not expose the core to avoid short circuit.
4. According to the wiring diagram of the product, if the wiring is wrong, it may cause product failure.
5. Confirm that all connections are correct before booting.
6. Some functions of this machine can be operated by remote control, please refer to the remote control function description.

1. Product introduction:

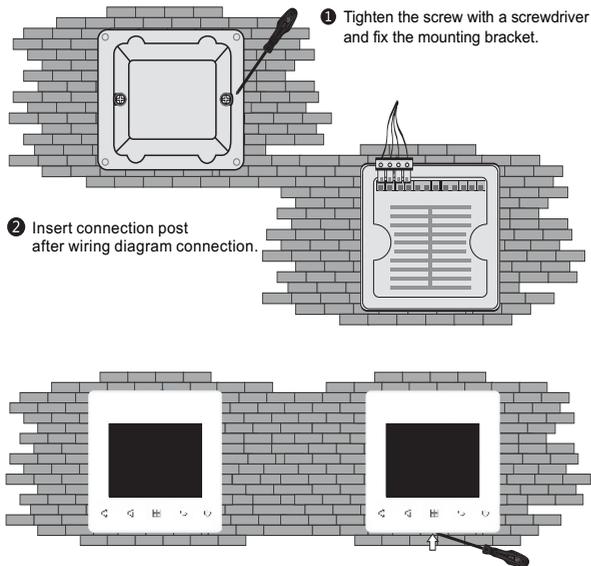
F1C100S processor, a strong and stable "core". High-gloss oxidized space aluminum frame, never rust, smooth and delicate.

Built-in TI digital amplifier, small distortion, high efficiency, bring you HIFI-level music enjoyment. 2.8-inch capacitive touch screen; 300*240 high definition display, high definition image quality, let you be there Bluetooth/External source input / TF card / AUX, a richer source of music. Standard, jazz, rock, classical, popular five sound effects Analog audio signal output.

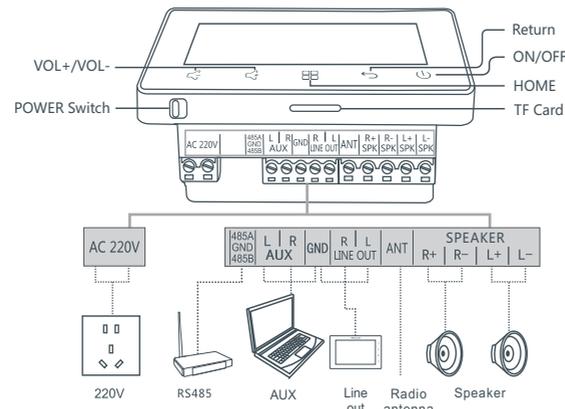
3 sets of time switch machine settings, intelligent control. Sleep settings let the music sleep with you. Automatically play settings at boot, it is more convenient to listen to music. Volume soft start function, timed boot, power when the phone is connected to Bluetooth, automatically play on power, the volume is slowly increased from zero to the set volume. Rs485, infrared remote control code is open all round.

2. Install and uninstall the controller

1. Pre-buried 86 standard bottom box, bottom box depth ≥ 55 mm, installation location is recommended to be installed in parallel with the light switch.
2. The wire used in this product: power cord, audio cable, audio cable. For the wire and wire type, please refer to the "Connection Diagram Description". In order to ensure the service life and stability of the wire, please use the conduit to lay it.
3. Wiring reminder: When multiple points (multiple products), the audio lines are connected in parallel, which can be connected from the line or through the junction box! Wiring and mains wires are laid in separate routes (conduit).



3. Product appearance and port description



3.1. Guidance of system installation wiring construction The installation of this system requires integrated wiring. All the connecting lines must be pre-buried into the wall with universal electrician pipes. Therefore, the system integrated wiring work must be synchronized with the room, water and electricity decoration wiring work.

3.1.1. Comprehensive consideration of the decoration effect, convenient operation, room size, room ceiling condition to determine the host position (usually placed next to the light control switch), the number of

Speakers (2 or 4) and location.

3.1.2. Refer to the system architecture diagram and the line connection distance between the hosts, the speakers, etc. purchase the corresponding number of 4 points pre-

embedded threading pipe fittings, 2*100 core audio cable (connecting the host and speaker), RVVP2*0.3mm high shielding microphone cable (if you need better sound, it is recommended to use RVVP2*0.75mm high-shielded microphone cable)

3.1.3. Professional electricians are requested to do the construction work of wall slotting, laying, wiring, mainframe installation, bottom box embedding, line detection, 220V power line connection and so on. (note that the reserved length of each line head at the bottom of the host box should be reserved for 15-20cm, and the reserved length of the soundline at the speaker end should be determined according to the situation of the field ceiling and the opening position of the loudspeaker.)

3.1.4. Open the speaker hole: Open the speaker hole before painting the ceiling. The opening position should be symmetrical and uniform with the decoration. Pay attention to the positive and negative poles when wiring the speaker.

3.1.5. Equipment installation and commissioning: Equipment installation should also be carried out in a certain order, generally:

- (1) The manufacture of each terminal at the host;
- (2) Connect the speaker and the host according to the interface definition of the manual;
- (3) Connecting other external audio lines;
- (4) Connect 220V power supply;
- (5) Turn on the host;
- (6) Make commissioning settings according to the product manual.

4. Remote control function description

Number key: when playing music, press the number key to quickly jump to the song corresponding to the selected number. If the TF card has 22 songs. If you want to listen to the 22nd song, press 2 twice in a row AUX button: Quickly turn on the AUX source.

Direction key, Enter key: Press this key to move the cursor up, down, left and right to select the menu option, and press the enter key to enter the selected option.

Radio button: Press this button to quickly enter the radio menu interface. Press this button to listen to the radio to pop up the menu option.

Sound button: Press this button repeatedly to switch between standard, popular,

classical, jazz, rock and other sound modes.

Search button: Press this button to automatically search for the station and save it.



6. Functional description of software

6.1 main interface

The controller is powered on and enters the main interface. The main interface includes music, radio, picture, file management, time calendar, AUX, Bluetooth and settings. Click to enter the relevant function interface to enter the relevant function interface to operate.

6.2 Local music

Click the icon on the main interface to enter the music playback interface to play songs. If the TF card is not detected, you will be prompted to insert the card before opening the music.



6.3 music player interface

Click on local music in the main interface to enter the music player interface. Click on the left side of the music playback interface to select single play, single loop play, list loop play, random play, sequence play; repeatedly click on the bottom right side of the music play interface to select natural, pop, jazz, classical, Rock and other sound effects mode; click the next song button on the right side to play the next song; click the previous song button on the lower right side to play the previous song.

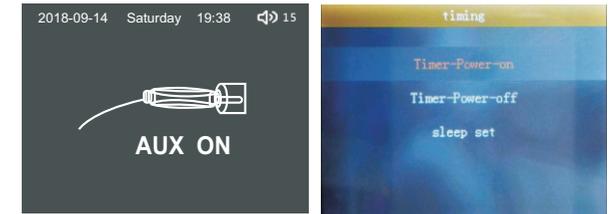


6.4 Radio

Click the icon on the main interface to enter the radio interface. Click on the screen in the radio interface, pop-up list, manual search, automatic search, channel and other options at the bottom. Click on the list to view saved stations; in the manual search mode, select the fine-tuning mode and click to fine-tune the search. In the channel mode, click to search for the saved station. Click Auto Search and the system will automatically search for all stations and save them to the station list. Click Delete Station to remove the currently playing station from the station list.

6.5 AUX

Click the icon to set AUX as the current playback source. Repeat the click on the AUX interface to switch between opening AUX and turning off AUX.



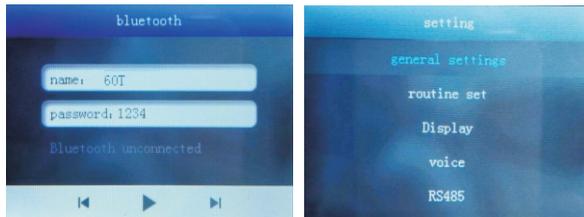
6.6 Timing

Click the main interface icon to enter the timing interface. The timing settings include three items: timed on, timed off, and sleep. Timed boot, timed shutdown can set three timed tasks, turn on the timed boot, you can set the timed power on state, timed boot time, repeat times, boot ringtone, boot volume; turn on the timed shutdown, you can set the timed shutdown state, timed shutdown time, repeat times; turn on the sleep settings, you can choose six sleep time, or turn off the sleep settings. Press and hold the power switch key in the lower right corner of the screen for 3 seconds to quickly turn the controller on or off.

6.7 Bluetooth

Click on the icon to enter the Bluetooth interface, modify the Bluetooth name, and set the Bluetooth password. Search for music controller on mobile phone and other mobile

devices. You can push music to the controller through Bluetooth.

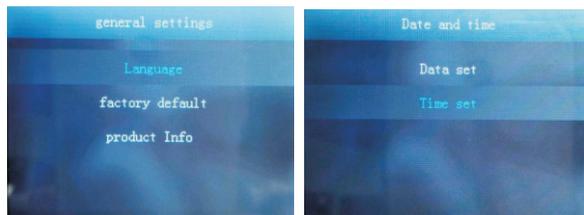


6.8 setting

Click on the icon to enter the setup interface, which includes general settings, regular settings, display, voice and RS485 communication.

6.8.1 general settings

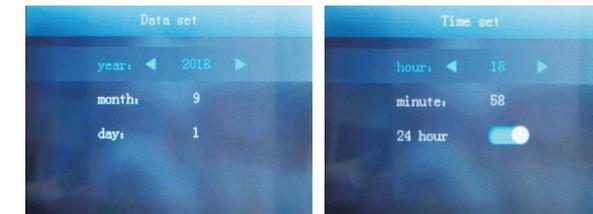
Open the general settings, select Chinese or English in the language options; click to restore the factory settings, the system will automatically restore to the factory settings; click product information to view the product model, hardware version, software version.



6.8.2 General Settings

Open the general settings, select to turn on the automatic music playback, the controller can automatically play music when the power is turned on; turn on the AUX automatic detection, the system will detect whether there is AUX audio source connection, if the AUX

external audio source is found, the AUX external audio source will be automatically played; By clicking on the date and time, you can set the system's date and time settings.



6.8.3 Display

Click on the display to set the backlight brightness and turn off the backlight. Select the backlight brightness, you can click the left and right triangle arrows to adjust the backlight brightness, the backlight brightness is divided into 12 levels, you can adjust the backlight brightness according to your need. Click to turn off the backlight, click the left and right triangle arrows to select 10 seconds, 20 seconds, 30 seconds, 1 minute, 3 minutes to turn off the backlight, or choose to never turn off the backlight.



6.8.4 Sound

Click on the sound to set the volume settings and high and low settings. Select the volume setting to set the maximum volume and turn-on volume.

Select the maximum volume, click the left and right triangle arrows to adjust the maximum volume value, the volume is divided into 0-30 levels, you can adjust the maximum volume value as needed. Select the boot volume, click the left and right triangle arrows, adjust the volume, the volume is 0-30, you can adjust the volume as needed. Select the high and low settings to set the treble and bass effects separately. The treble sound and bass sound are divided into 0-12 levels, and the treble and bass can be adjusted as needed.

6.8.5 RS485 settings

Enter RS485 settings to set the group address and local address.

Product Specifications	
storage	Support 32GB TF Card
screen	2.8" Touch Screen 320*240
power	AC 110V-220V 50Hz
interface	TF/Rs485/Speaker/Audio/AUX
Audio format	MP3,WMA,APE,FLAC,OGG,AAC,AC3
frequency response	20Hz-20KHz
Audio signal to noise ratio	80DB
Stereo Isolation	≤ 60dB
output power	15W+15W
Power supply	50W
Product size	86*86*50MM
Bottom box size	Standard 86 Box
Packing list	60T/Mounting Accessories/Remote control /Instruction manual