TONE WINNER

# TY-i30
# User Manual

ISO9001 Certified Enterprise

TONE WINNER

# Product packing list

| Number | Ltem | Qty |
|---|---|---|
| 1 | Manual | 1 piece |
| 2 | Power Cord | 1 piece |
| 3 | Certificate of Quality | 1 piece |
| 4 | Remote Control | 1 piece |
| 5 | Signal Cable | 1 piece |

## Pollution control labels and its content descriptions

This symbol indicates the product can be recyclable. The number 10 indicates the period of environmental protection. As long as you follow the safety and precautions related to this product, it will not cause environmental pollution or impact on human property within 10 years from the date of manufacture.

**Name and content of toxic or hazardous substances or elements in the product**

| Part Name | Hazardous substances or elements | | | | | |
|---|---|---|---|---|---|---|
| | Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Hexavalent chromium $(Cr)^{6+}$ | Polybrominated (PBB ) | Biphenyls polyphenyls (PBDE ) |
| Chassis enclosure | ○ | ○ | ○ | ○ | ○ | ○ |
| Electrical parts | × | ○ | ○ | ○ | ○ | ○ |
| Plastic structural parts | ○ | ○ | ○ | ○ | ○ | ○ |
| Metal structural parts | ○ | ○ | ○ | × | ○ | ○ |
| Cables | ○ | ○ | ○ | ○ | ○ | ○ |
| Transformer | ○ | ○ | ○ | ○ | ○ | ○ |

**Marks：**

“○” Means the content of the hazardous toxic substance is lower than SJ/T11363-2006 standard required.

“×” Means in a homogeneous material of the component， the contentof the hazardous toxic substance is higher than SJ/T11363-2006 standard required.

**Note：**“×” as there are no substitutable substances under the existing technology.

Thank you for choosing Tonewinner brand audio products. We will serve you with "High technology, High quality and High taste" enterprise philosophy, will serve you with exquisite craft, classical circuit, high technologies, first-class qualityand first-class services. We will bring all customers with our stable, reliable, durable and pleasant technology achievements!

## Contents:


I. Important protective measures for attention----------1

II. Overview of Functions----------2

III.Overview of Features ----------2

IV. Instructions Prior to Use----------3

V. Panel Introduction----------4

VI. Rear Panel Introduction----------5

VII. Remote Controller Introduction----------5-6

VIII. Menu operations----------6

LX. Software operations----------6-16

X. Major technical indicators----------16

XI. Safety Protection Class: Class II Equipment----------16

XII. Troubleshooting----------17

## Important protective measures for attention

- To reduce risk of electric shock, do not remove the outer cover (or back panel).
- For maintenance, it should be carried out by qualified maintenance people.
- To avoid fire and electric shock hazards, do not get the unit wet or damp.
- Safety protection category: Class II

1. Read the protective measures: readall warning messages about protection and operation in the instructions carefully before using the equipment.
2. Follow instructions: please follow the instructions and do not violate the instructions.
3. Place the product on where manufacturer recommends: to protect equipments overturning, do not use force to push or suddenly stop when moving.
4. Keep away from water and moisture:do not place equipment near water suchas bathtub, basin, sink, washing machine, etc. Do not use equipmentat high temperatures high humidity environment, such as a damp basement.
5. Cleaning: Do not use liquid or mist cleaners, please use dry cloth to clean. Turn off the machine and power off before clean the equipment.
6. Power supply: use the power supply according to indication. Should havereasonable wirings, to avoid damage, dono step. Pay special attention to powerplugs, receptacles and connection wirings.
7. Ventilation: the chassis of equipment isdesigned with venting holes. To ensure reliable performance, please avoidoverheating, do not cover the equipment. Do not use the equipment on beds, sofas, carpets etc. Newspapers, tablecloths, curtains, and other objects may blockventing holes. Do no put the equipmentclose to window curtains. If it is built-in installation, such as bookcase or rack, make sure enough venting. Keep a distance of 10cm (4") on left, right, top and rear sides. Equipment bracket or rear of top cover should have a distance of 10 cm (4 ") to rear panel or the wall, to keep venting space.
8. Heat - to keep products away from heat sources, such as heatsinks, stoves,objects that Generate heat (including power amplifiers)
9. Prevent unknown objects or liquids - objects or liquids should be prevented from falling through the holes into the equipment, because it might contact current or live parts that might causefire or electric shock. Do not place the equipment in rain or water splashing place, do not put into water containers, such as vases.
10. Please connect well all input/output wires before power on.
11. Thunder and lightning: unplug the power cable in thunder and lightning weather, it can effectively prevent lightning impulses to protect theequipment.
12. Protections:?unplug the power supply when you do not use the manual for long period。 Plug. ?Good grounding can prevent the machine from being damaged.
13. Maintenance: do not open the equipment chassis to avoid electric shock.Please send the machine to our local designated maintenance house if you meet below circumstances and need maintenance.
    a) Unknown parts or liquid enter the machine.
    b) The equipment was soaked.
    c) Abnormal machine operation.
    d) Machine falling or machine damage.
14. Battery: for environmental protection, do not discard the waste electricityoptionally.
15. Disconnection device of main power supply: this machine use power plug and coupler as the disconnecting devices. Power plug and coupler should be easily operated.
16. This product is only suitable for safe use in altitude below 2000M.

17. This product is only suitable for use in tropical climates

## Overview of Functions:

- Analogue inputs: 1-way balance and 2-way unbalance
- A set of digital input optical fiber and coaxial cable respectively
- Inputs:from WIFI, Bluetooth, optical fiber, coax, Micro SD card and U disk respectively
- Conduct menu operations with panel keys/remote controller keys
- Information display via LCD colorful display screen
- Power on/standby via manual/remote control
- ~100-240V50Hz-60Hz wide input voltage range

## Overview of Features

1. TY-i30, as a multi-function media player, can receive songs transmittedvia DLNA, AIRPLAY or bluetooth from mobile phones, IPAD, notebook and other devices, and two working modes are available for its wireless WIFI audio transmission, namely AP mode (direct hotspot connection) and net mode (LAN mode).
2. TY-i30 also supports SD card and U disk local play, lossless music formats including WAV, FLAC and APE as well as compressed formats including MP3 and WMA, and inputs and outputs in 192KHz/24BitPCM digital bit stream format from coaxial cable and optical fiber.
3. TY-i30's decoding components, with emphasis on the selection of materials, take advantages of various high-end parts. CS8416 of CirrusLogic in America is selected as its digital audio receiver chip, supporting audio input of 192KHz/24Bit digital bit stream; AD1955, American ADI's top chip, as its digital audio decoding chip to achieve up to 123dB SCR, and OPA2134, an excellent high-end operational amplifier of TI in America, as its operational amplifier. This set of chips as components, is completely applicable to pre-amp of high-end audio decoder.
4. For the convenience of use, TY-i30 is provided with a 4-inch LCD colorful display screen with clear and exquisite display effects, which can display songs and their storage paths completely.
5. TY-i30 is designed in full compliance with enthusiast-grade product standards to satisfy the most demanding fanciers' requirements for sound quality, boasting excellent first-rate timbre performance. With high-frequency sounds being sweet and supple, mid-frequency sounds, mellow and warm and low frequency sounds strong and powerful, the overall sound has an outstanding performance inequilibrium, accurate positioning, rich details, distinct gradation,and gorgeous and grand sound field performance. Overall, TY-i30, with beautiful and exquisite sound, plays music in an extremely attractive manner!

# Instructions Prior to Use

## ■ General matters

1) Please secure the machine at the well-ventilated place with accessible space 10cm in width at its two sides, and above and behind it.
2) Don't apply oil, chemical solvent, volatile oil, paint or pesticide to the equipment.
3) Don't place the equipment in moist environment with the temperature being as High as above 60℃ or extremely low.
4) Please keep the equipment away from direct exposure to sunlight, strong Magnetic field, high temperature and electrical devices which may cause interruption (computer at home, fax machine, etc.)
5) Please fixate the power socket when pulling out the power plug.
6) Don't open the shell of the equipment without permission to avoid electric shock. Please make contact TONE WINNER specially designated maintenance stations nearby for internal maintenance.
7) Use when it's guaranteed that the equipment is secured at a stable place with leveling surface and without vibrations, and no articles are allowed to be placed onto the equipment.
8) If no sound is heard, please turn off the power switch of system unit and turn on In 10 seconds.
9) In the operation of the machine, in case of any thunderstorms, please pull out the power plug.

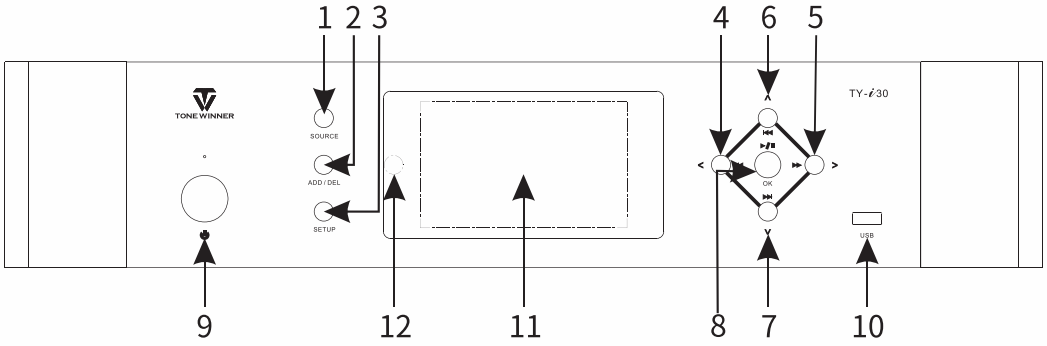
## ■ Warning

The voltage used for the machine must be consistent with that in the specifications. We assume no responsibilities for fires or other accidents due to the use of voltage not within the scope as specified.

## ■ Note:

1. Please read this manual carefully prior to use.
2. We reserve the rights to interpret this manual.
3. The actual product shall govern in case of any discrepancy of appearance, color And picture.
4. Please make this manual and invoicekept properly after reading.
5. The product is subject to upgrades in technology or software without notice.
6. The sales and use of this product are only applicable to China Mainland.

# Panel Introduction:




Brief introduction of keys (refer to the section of interface for details):

1) SOURCE (Audio Source Loop Selection): Click to switch to the next audio source, and return to the first audio source when at the last source.

2) ADD/DEL (Songbook addition/deletion): Add songs to the songbook or delete songs from it (the key is available in the U disk/SD card/list or playing interface, represented as a heart-shaped sign on the status area on the screen).

3) SETUP: Click to enter the setting area.

4) Left direction: ① It indicates returning to the last level when there are multiple levels, ② left movement, in the main interface and soft keyboard, and ③ fast backward, when pressed long in the list or playing interface.

5) Right direction: ① It indicates entering the next level when there are multiple levels, ② right movement, in the main interface and soft keyboard, ③ fast forward, when pressed long in the list or playing interface, and ④ deletion in the playing interface.

6) Up direction: It indicates moving the cursor upward in the list and serves as the last song key in the playing interface.

7) Down direction: It indicates moving the cursor downward in the list and serves as the next song key in the playing interface.

8) Confirm: It's used to confirm when combined with the said direction keys, and serves as play/stop key in the list and playing interface.

9) Standby: Get into standby or activate.

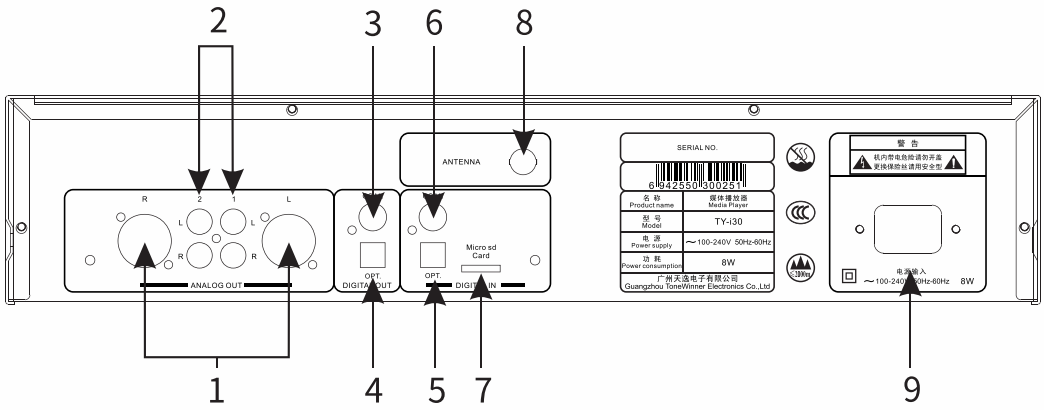
10) USB (USB disk interface).

11) LCD display screen.

12) Remote control receive window: It's an infrared receive window for remote controller. Use without blocks, or the reception of remote-control directions may be affected.

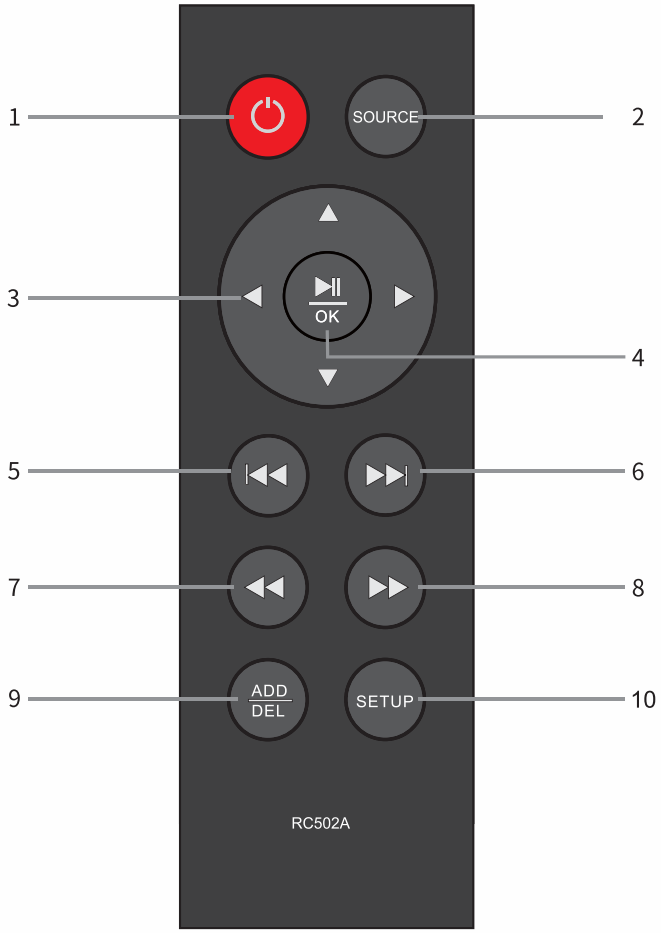
(Note: For all the confirm boxes, use ^ v to select, and OK to confirm).

# Rear Panel Introduction:




1) Analog balance output
2) Analog unbalanc
3) Digital coaxial output
4) Digital optical output
5) Digital optical input
6) Digital coaxial input
7) TF card povt
8) WiFi antenna
9) AC Input

# Remote Controller Introduction:



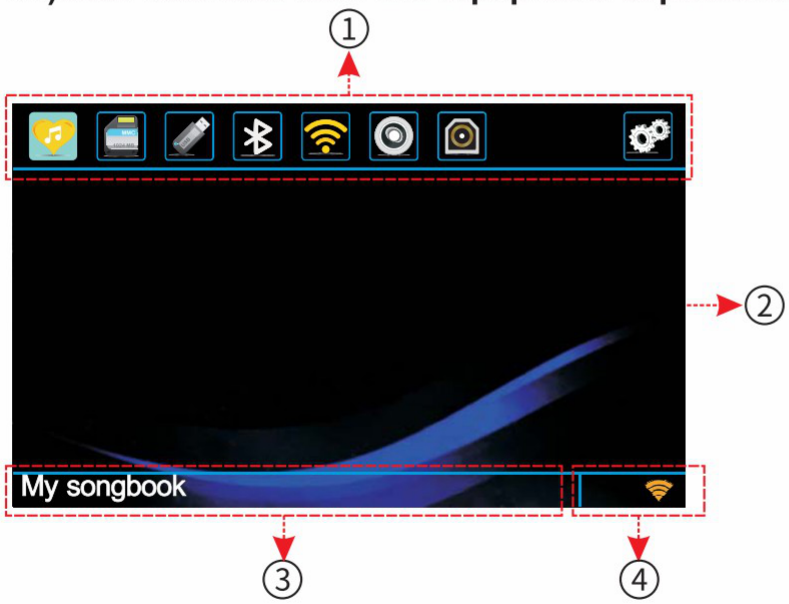
1. Power: Start up when pressing this key and get into standby when it's pressed again.
2. Audio Source Selection: Press the key to switch to the next input source, and return to the first when it's at the last input source.
3. Addition/Removal: In the TF card, USB disk, list or playing interface, press the key to save the current song to my songbook playlist, and remove if the song has already been included in the list.
4. Up/Down/Left/Right: Move cursor.
5. In the playing by TF card, USB disk, the list of my songbook or playing interface, it serves as play/stop key, and as confirm key in other statuses.
6. In the playing by TF card, USB disk, the list of my songbook or playing interface, it serves as the last song playing key.
7. In the TF card, USB disk, the list of my songbook or playing interface, it serves as the next song playing key.
8. In the TF card, USB disk, the list of my songbook or playing interface, it serves as the fast backward key.
9. In the TF card, USB disk, the list of my songbook or playing interface, it serves as the fast forward key.
10. Enter the option setting interface.

**Menu operations:**

1. The software interface is divided into four areas, to show option, tips, status and content.
2. The content area displays the contents of each option.
3. Some simple tips would be given in the tips area in terms of different interfaces
4. The status area displays status information on bluetooth and WIFI.
5. The option area contains various audio sources and their setting options. The selected option will be framed in green.

**Software operations:**

**1.1)Main interface after the equipment is powered on**

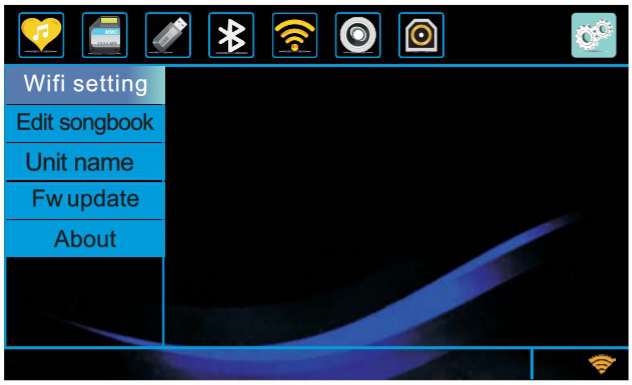



①Option area ②Content area ③Tips area ④Status area

| | |
|---|---|
| My songbook | Enter my songbook list |
| MMC/SD card | Opt to play songs in the TF card |
| USB disk | Opt to play songs in the USB disk |
| Bluetooth music | Audio signals from bluetooth |
| Network service | Enable the network mode to receive information from mobile phones and IPAD via WIFI connection |
| Coaxial reception | Receive digital audio signals via coaxial transmission |
| Optical fiber reception | Receive digital audio signals via optical fiber transmission |
| System setting | Sub-menu for options including WIFI settings, songbook edit and setting of device name (network identification code) |

Use of keys and the operations:
Source: audio source selection
: the last input source
: the next input source
OK: Confirm to effect the selected option

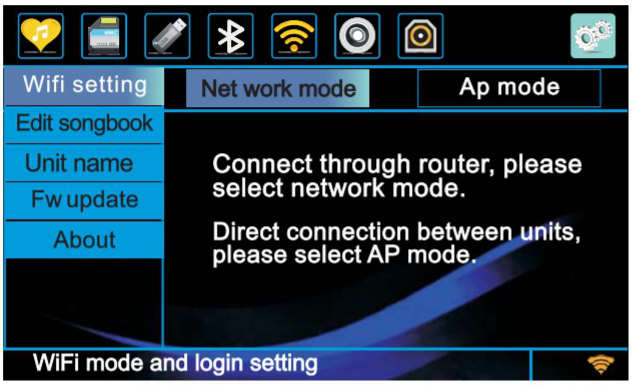
## 2.1) The system setting interface is shown as below:




System setting interface includes five options, namely WIFI Setting, Songbook edit, Device Name, Firmware Upgrade and About the equipment. The use of Keys and the operations:
: Move the cursor upward
: Move the cursor downward
OK: Enter the interface for the options
: Enter the interface for the options
: Return to the main interface (1.1)

**Use of system setting options and the operations:**

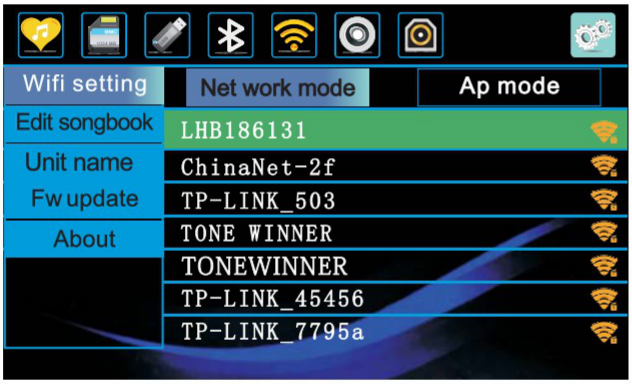
## 2.1.1) WIFI setup interface




① If the network is to be connected through WIFI router, select network mode.
② If there are only two devices to be mutually connected, select AP mode.
③ If the AP mode is selected, the default WIFI node is TY-i30, which could be changed in the equipment Name, and restart is required after the change. The password is 12345678. The operations of this interface are divided into the mode selection and WIFI selection: Enter the interface for mode selection, and after the selection of network mode, enter the interface for WIFI selection.

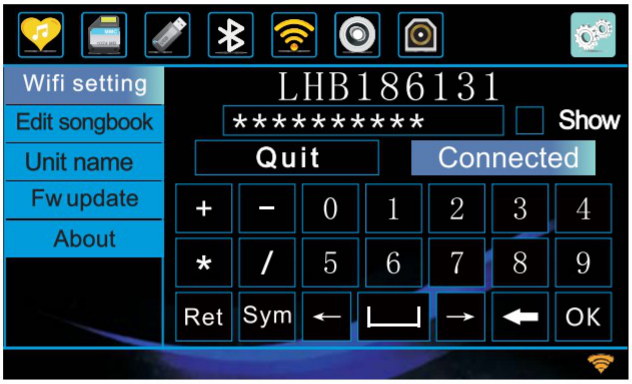
Use of keys and the operations:
Mode selection:
: Move the cursor leftward. When it's at the network mode, click to return to System Setting interface 2.1
: Move the cursor rightward
OK: Confirm the selection
WIFI selection:
: Move the cursor upward
: Move the cursor downward
: Return to the mode selection
OK: Enter WIFI login interface 2.1.2

## 2.1.2) WIFI login interface




Enter WIFI login interface via network mode as per the aforementioned operations, or enter system setting interface after pressing “SETUP”. Move the cursor to “WIFI setup” and press OK to enter network setting interface, and enter WIFI setup interface with network mode selected and OK pressed.

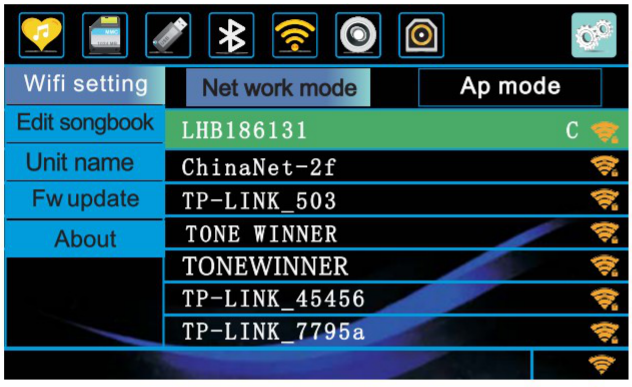
## 2.1.3) WIFI login interface 2




Input the WIFI password into the interface. Ticking the display box can make the password visible.“Cancel” indicates returning to the WIFI setup interface 2.1.2. If the password is successfully matched, return to WIFI node list automatically And stay in this interface if not. Pay attention to the tips in the tips area and the Status area. Explanation on special keys contained in the software's Soft keyboard:

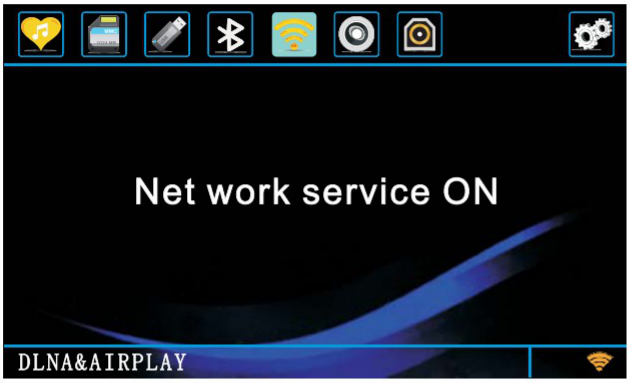
Caps lock Sym Switch to symbol input
123 Switch to number input ok A key indicating the completion of input, equivalent to connection key
Use of keys and the operations:
Direction keys: Move cursor to select characters

## 2.1.4) WIFI login interface 3



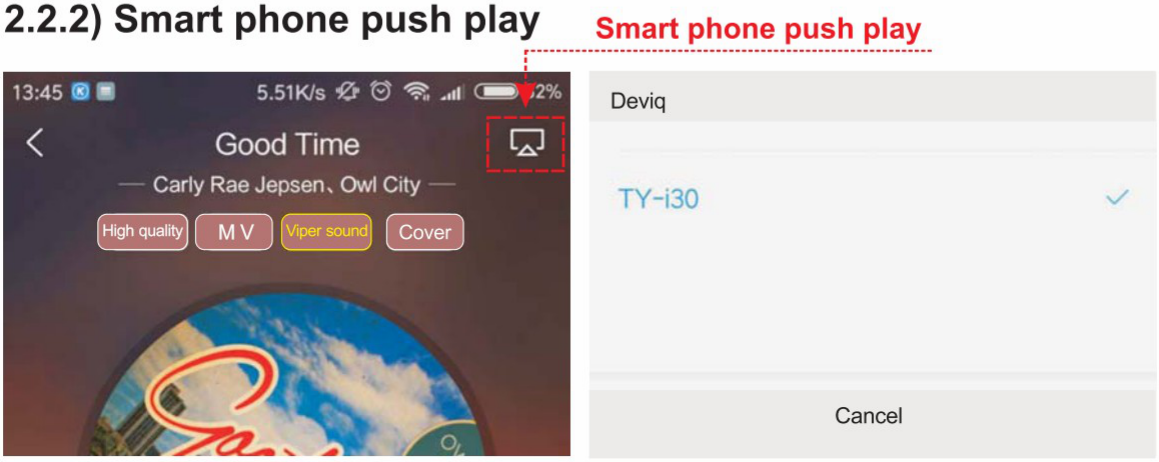

After successful connection, a “C” will be marked after the name of the corresponding network and the WIFI signal sign will appear at the bottom-right corner (After the first successful connection, the WIFI will be connected automatically thereafter).

## 2.2.1) Network service



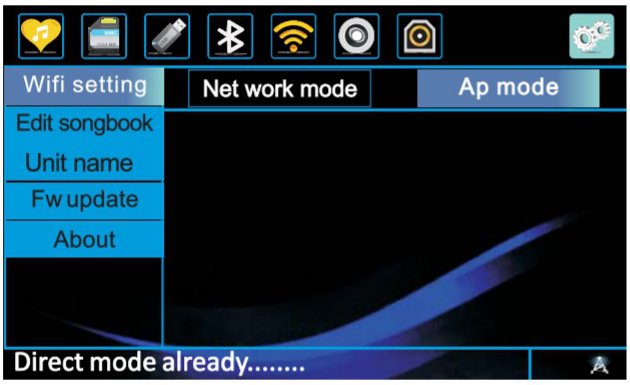

Now you could select network service for audio source. Press OK to enable this service, and after it's enabled, the words “Service is enabled” will appear on the screen.

## 2.2.2) Smart phone push play



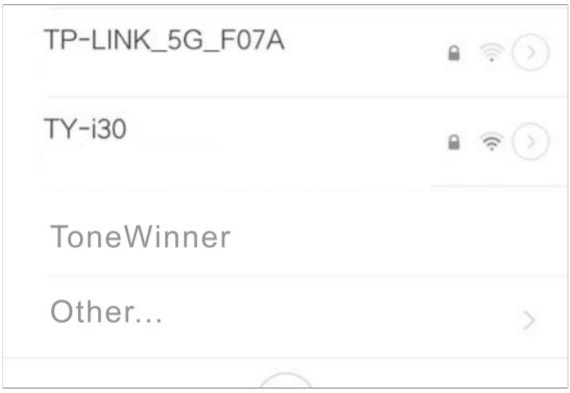

Now operate the music play APP (It must allow transmission via network) in your mobile phone, and click the Smart phone push play icon. Then, with TY-i30 selected, your favorites songs can be played by the speaker via this device.

## 2.3.1) AP mode setting



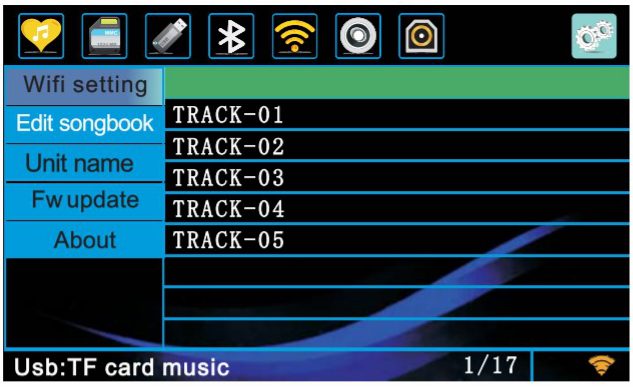

AP mode: Two devices are connected mutually. The default name of the WIFI is TY-I30 and its corresponding password, 12345678, which could be changed via the equipment. After the change, you only need to restart the equipment. Then follow the operations described in 2.2.1) Network service.

## 2.3.2) Mobile phone connection under AP mode



Make your mobile phone connect to the WIFI. The default name of the WIFI is TY-i30 and its corresponding password, 12345678. Then, follow the operations as described in 2.2.2) Smart phone push play make your favorites songs played by the speaker via this player.

## 2.4.1) Songbook edit interface

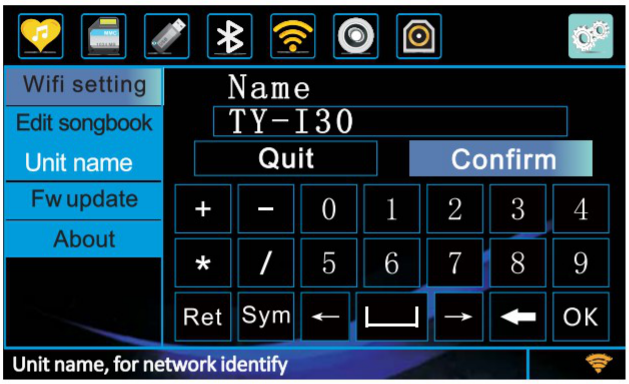



Playing order of the songbook can be changed and songs can be deleted in this interface.

Use of keys and the operations:

Press ^ v to select songs and the selected song will turn green with OK pressed, which indicates the song is in a movable status when pressing ^ v will make the song move. When the song is moved to the desired place, press OK to release the song, which indicates the movement is finished and now it's in the selection status again. If you press > , the deletion confirm box will pop up.

## 2.5.1) DEVICE_NAME interface




Device name is used for network identification. The default name is TY-i30, which can be changed but cannot be empty. Explanation on special keys of the software's soft keyboard:

Caps lock
Switch to number inputA
123

Sym Switch to symbol input
ok key indicating the completion of input, Equivalent to connection key:

Use of keys and the operations:

Direction keys: Move cursor to select characters

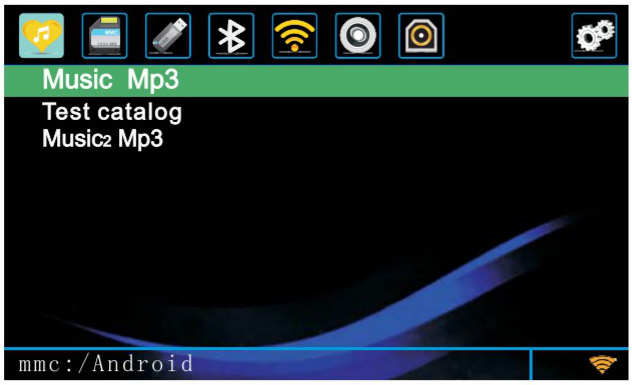
## 2.6.1) Update interface guide

Use an FAT or FAT32 formatted TF card or USB disk and establish rootfs under the root directory. Put the file“ zImage_mpappfs.cramfsupdate.cramfsmp. Ver”from the decompressed upgrade pack into the rootfs. Then, click“next” to enter the confirmation interface, where version information on firmware to be upgraded will be displayed. If it's confirmed to upgrade, please hold System on the plane pressed until the screen turns dark, when the devicethe equipment will get into program upgrading. The upgrading progress is visible on the screen, and the devicethe equipment will restart automatically after the upgrading completes. **Note: Don't take out TF card or USB disk in the upgrading to avoid damage to the system, which may results in failed upgrade of the system thereafter.**

## 2.7.1) About interface

Description of the software version

## 3.1) Option interface for my songbook:




The songs of the songbook are listed, whose playing order can be changed via "Setting" ➡ "My songbook"

Use of keys and the operations:

: Move the cursor upward to page up when it reaches the top;

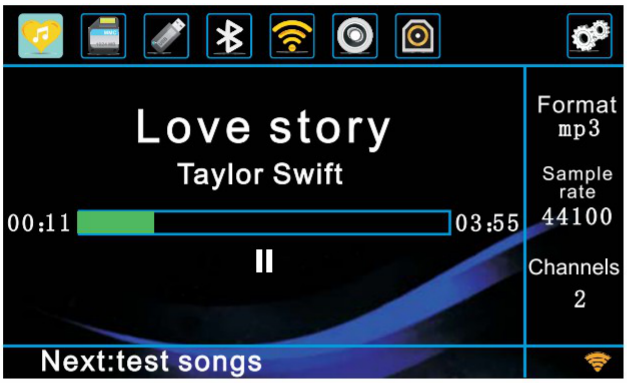
: Move the cursor downward to page down when it reaches the bottom;

OK: Play the song where the cursor is located. With the cursor at the song to be played, the OK key can function as a Stop/Play key.

: Click to return to the main interface (1.1). It allows fast backward when pressed long in the playing;

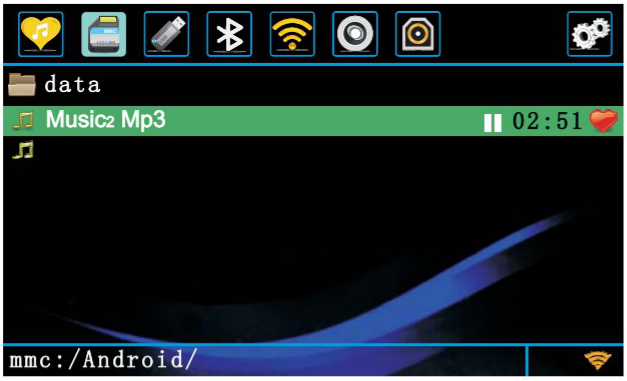
: Click to enter the playing interface as shown in the picture below. It allows fast forward when pressed long in the playing.

## 3.2) Songbook playing interface



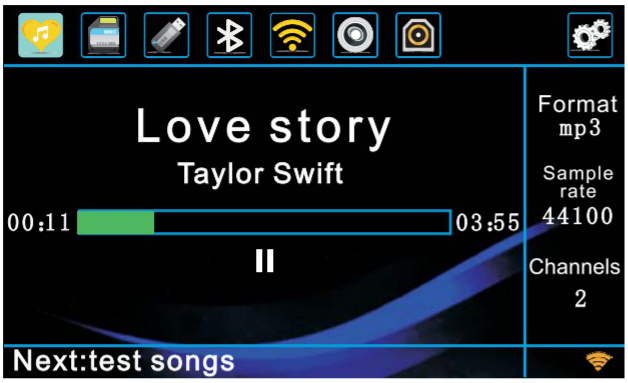

Details of currently-played songs are shown in the main playing interface
Use of keys and the operations:
: Select the last song
: Select the next song
Press OK to stop/play
: Click to return to the songbook list and it allows fast backward when pressed long
: Click and the deletion confirm box will pop up. It allows fast forward when pressed long

## 4.1) MMC/TF option interface




TF card folder and music files will be displayed in the MMC/TF option interface:
represents music files;
represents folder;
indicates that the file has been added to the songbook.
Use of keys and the operations:
: Move the cursor upward to page up when it reaches the top.
: Move the cursor downward to page down when it reaches the bottom.
OK: If the song is selected, it can serve as a stop key, and if a directory is selected, it enables the entry into the directory.
: Click to return to the last level directory, and return to the main interface (1.1) When it's at the root directory. It allows fast backward when pressed long in the playing.
: Click to enter the playing interface as shown in the picture below. It allows Fast forward when pressed long in the playing.
ADD/DEL: Add the song to the songbook if it's not available and delete if it is available.

## 4.2) MMC/TF card playing interface




Details of songs are shown in the main playing interface.
Use of keys and the operations:
: Select the last song
: Select the next song

Press OK to stop/play
: Click to return to the songbook list and it allows fast backward when pressed long
: Click and the deletion confirm box will pop up. It allows fast forward when Pressed long
ADD/DEL: Add the song to the songbook if it's not available and delete if it is Available

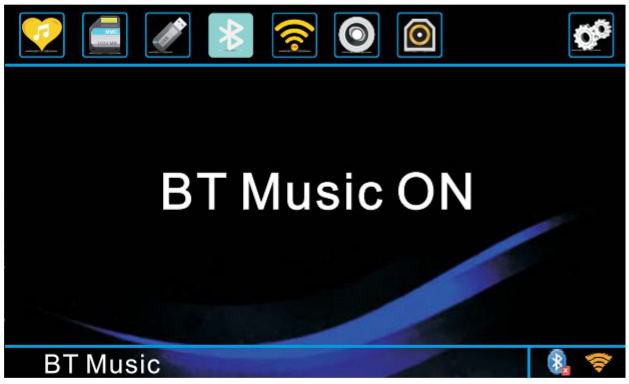
## 5.1) USB option interface

(As it's the same as MMC/TF card option interface,the description is omitted)

## 5.2) USB playing interface

(As it's the same as MMC/TF card playing interface, the description is omitted)

## 6.1 Bluetooth music interface




After the entry into this interface, press OK to enable the bluetooth service, so that you could receive audio signals from handheld devices via bluetooth. Press OK again to disable the service.

## 7.1 ) Network service

(As it's the same as the bluetooth music interface, the description is omitted) Please refer to 2.2.1) Network service for a detailed understanding of the function

## 8.1) Coaxial interface:

Receive digital audio signals from coaxial cable, when the player can be used as DAC. The interface displays song index, sampling frequency and the duration when the song is played (when SPDIF is available).

## 9.1) Coaxial interface:

Receive digital audio signals from optical fiber, when the player can be used as DAC. The interface displays song index, sampling frequency and the duration when the song is played (when SPDIF is available).

## Major technical indicators

1. Output level: 2Vrms ±1.5dB (1 KHz)
2. SNR: >102dB (1KHz, A-weighted)
3. Frequency response: 20Hz~65KHz (+1/-3dB)
4. THD: ⩽0.008% (1 Khz, normal working conditions)
5. Separation: ⩾100dB (1KHz, A-weighted)
6. Net weight: 4.8kg
7. Gross weight: 6kg
8. Size: 444x294x103mm
9. Packaging size: 533x402x179mm

## Safety Protection Class: Class II Equipment

1. Please read the manual and safety precautions carefully before use.
2. he product shall be mounted somewhere ventilated and dry for the convenience of heat dissipation to avoid moisture and lampblack.
3. The product belongs to class II of safety protection. Upon installation, the power plug shall be connected to AD220V and 50Hz grid.
4. Do not remove the cover during use to prevent electrocution.
5. Do not frequently turn it on and off. Wait a few minutes before turning it on again.
6. When the equipment fails, the user shall send it to the designated distributors or maintenance department for maintenance or our plant for repair. To avoid accident, do not open the rear cover for inspection or repair.
7. The plugs, power lines, fuses, power switch, and transformer used on the equipment are all safety parts. Upon change of safety parts, the maintenance department shall replacethem in accordance with the model, specification,and designated manufacturer element specified on the drawing provided by our plant.

**The specification of the product may be subject to change without further notice.**

## Troubleshooting:

Prior to making contact with maintenance personnel, please first find out the causes of the problem as per the following table:

| Symptom | Cause | Measure |
|---|---|---|
| No display on the screen | Loose power cord | Connect power cord securely |
| | The power key is not pressed | Press the power key |
| No audio output | Loose audio cable | Connect the cable again |
| | Improper setting of other connected devices | Properly set the audio input channel of the connected |
| Sound output distortion or interruption | Loose audio cable | Connect the cable again securely |
| Remote controller malfunction | The remote controller fails to point to the remote control receive window of the player | Use the remote controller with it pointing to the player |
| | The remote controller is far away from the player | It's recommended to use within 5 meters |
| | The batteries of remote controller are exhausted | Replace with new batteries |
| Panel key malfunction | Power supply fluctuation is violent, or normal operation is interrupted due to static electricity | Turn off the power supply and restart |

Scan QR code

**Guangzhou Tonewinner Electronics Co., Ltd**

Tel：86-20-34797660/34796146
Web：http://www.tonewinner.com
Add: No.1, Hongsheng 3
Road,Dashi,Panyu,Guangzhou,511430，China