Vehicular Audio TD-650 Specification

BT/USB/SD PLAYER

The drawing is for reference only. The actual object shall prevail.

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Warning：Please read this manual carefully and be familiar with the operation when using it for the first time.Please keep this manual for future reference.

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Characteristics   introductions

The TD-650 is a turntable car audio system.Including FM, AM tuning radio, bluetooth, MP3(USB/SD), clock, sound adjustment, external audio input, loudness and other functions.

Ⅰ.System configuration: digital tuning radio, USB/ sd-mp3 player, electronic clock display.

Ⅱ.Radio function: support FM (87.5~108MHz), AM (522~1620KHz), can store 24 stations.

Ⅲ.AUX function: it supports playing MP3 files in U disk /SD card, and supports audio input outside of mobile phone and MP3。

Ⅳ.Sound function: support POP POP /ROCK /Classic Classic /FLAT sound。

Ⅴ.Bluetooth function: support bluetooth connect and hang phone and bluetooth music playback function。

Key Function

- (1) PWR:Power

- (2) BND:Band selection

- (3）LOU/   Pause, loudness control, hang up the phone

- (4) 1 / Ⅱ/ ▷ ,2/INT,3/RPT,4/RDM,5/D-DN,6/D-LP :Adjust/save radio key,MP3 player function key

- (5) AS/PS:Auto preset radio/song

- (6）MOD:Select Mode

Notes：

◆To avoid traffic accidents, please keep the volume at an appropriate position

◆Keep the unit in the car in hot or cold weather.The ideal temperature can ensure the good performance of the machine。

◆ The machine is easy to be damaged after being sprayed with water. When you want to wash your car, please be careful not to spray water on the machine。

◆ When the engine is in the state of high power output for a long time, the temperature of the chassis will increase obviously.This is normal phenomenon, had better not touch the object of easy scald。

◆ Non-professional maintenance personnel of the company shall not tear open the warranty seal of the machine, disassemble the machine without authorization for adjustment and maintenance, otherwise the company will not provide warranty services。

◆ If the user has any questions about this manual, please call us so that you can operate the machine correctly。

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- (7) ⋀ ⋁ :Manual/automatic search radio button;Select the previous/next song button, fast forward/fast rewind button

- (8) knob: volume/time adjustment;System bass, treble, balance, sound setting keys, answer calls。

- (9) MOD :Short press from USB/SD to FM, then short press FM1/FM2/FM3 switch, long press the button of automatic search and save station

- (10) CLK :Clock display/Settings

Operating Instructions

1、Basic Settings

1.1Mode switch: press "PWR" to make the product in working state.Press the "MOD" button to loop through the modes in sequence.If the U disk is access, the product directly enters the next mode.This product has RADIO (RADIO) mode, BT PLAY (bluetooth) mode, USB mode and AUX IN (external audio input) mode。

1.2Radio setting: press the PWR key and press the "BND" button to select the desired band from FM1, FM2, FM3, AM1 and AM2。

Short- press"⋀"button or"⋁"button Start automatic radio search.

Long- press"⋀"button or"⋁"Button greater than 2S manual search radio.

Long- press"AS/PS"(greater than 2S) automatic preset station.

Long- press"1" ……"6"any button above 2S，the current station will be preset to the appropriate button.

2、MP3(USB/SD/MMC) Play

2.1n the working mode of the radio, the usb flash drive /SD will automatically switch to usb flash drive /SD playback mode.

Short- press⋀or⋁ play U disk /SD card on/next song

Long- press ⋀or⋁fast rewind/fast forward to play the current song

When playing U disk /SD, corresponding U disk /SD icon flashing indication

2.2In MP3 play Mode：Play/pause, browse, repeat, randomize, -10/+10 select

◆1/ ▷ / ‖ :Play/pause control   ◆2/INT:Preview play/scan play

◆3/RPT:Repeat/play all controls   ◆4/RDM:Random/all play controls

◆5/D-DN:Track number minus 10 tracks control key

◆6/D-LP:Track number plus 10 tracks control key

Note：Counterclockwise rotation knob to reduce the current volume;Turn the knob clockwise to increase the current volume;(volume level 0-32).

3、 clock setting

3.1 Operate in radio /MP3 player mode

3.2 Press MUTE/CLK to switch to MUTE

3.3 Long press the button to display the clock, long press the button again, after beating hours, the inverse/clockwise rotation knob will adjust the hour value, long press the button again, after beating minutes, the inverse/clockwise rotation knob will adjust the hour value.Five consecutive run out will automatically exit the clock setting。

Note: after completion of setting, the clock will continue to loop under the condition of BAT (yellow line) continuous power supply.

4、Sound Settings

4.1Operate in radio /MP3 player mode;Press the knob, and BS 0/TE 0/BL 0/EQOF will appear successively.

4.2 After BS 0 displays (bass), turn the knob inversely/clockwise to select the ideal bass value (-7 to 7).

4.3 After the TE 0 display (treble) appears, turn the knob inversely/clockwise to select the ideal high pitch value (-7 to 7).

4.4 After BL 0 display (balance) appears, turn the knob inversely/clockwise to select the balance value of left and right speakers (-7 to 7).

4.5 Only after the EQOF display appears, reverse/clockwise rotation of the knob will produce JAZZ JAZZ /POP POP /ROCK /Classic Classic /FLAT normal /EQOF(sound off) sound effect. After the electronic sound effect is turned on, the bass BS and treble TE values cannot be set manually.

5. **The bluetooth Settings**

Turn on the phone's bluetooth and search for a new "device" function. When the system makes signal contact with the phone, it will prompt whether the phone is connected to the device，Select the "yes" connection，after successful connection，

"■"display on the LCD screen of the system Indicates successful connection。After bluetooth pairing, if it is not in BT PLAY mode, press the "MOD" button to switch to BT PLAY mode.

Technical Specifications
General characteristics
FM Demodulation Range

Frequency Range	87.5MHz —108 MHz
Distortion（1mV Input ）	≤2
Search step frequency	100KHz（0.1MHZ）
Search Sensitivity Signal	23±8dB
Noise Ratio	≥48dB

MP3 Demodulation Range

Frequency Response	20Hz — 20KHz
Signal Noise Ratio	60 dB

AM Demodulation Range

Frequency Range	522~1620KHz
Search Sensitivity	36±10
Signal Noise Ratio	≥43dB

Note：All changes are subject to prior notice. Please refer to the product. Thank you

◆This machine supports USB data line to charge the mobile phone function，(optional function：0\5V 0.5A\5V 2A)。

Note：It is not suitable to charge the battery for a long time. There is no saturation detection function for the battery during charging, so there is potential for damage to the battery.

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.