

**COOLMUSIC**®  
CHANGE LIFE WITH MUSIC

**TS-110  
TS-112  
BASS AMPLIFIER**



English/Chinese Owner Manual



Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** Risk of electrical shock ---- Do NOT OPEN!

**CAUTION:** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

**WARNING:** To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

## ENGLISH

### TS-110 TS-112 Bass Amplifiers

Thank you for selecting a TS Series bass guitar amplifier. The TS Series offers great sound in a small, convenient and easy-to-use package. Its design makes it perfect as a practice amplifier or for small jam sessions. The built-in Tape/CD jack allows you to jam along with your favorite tunes while the headphone input offers the convenience of practicing privately anytime, day or night.



Before you begin playing through your amplifier, it is very important to ensure that the product has the proper AC line voltage supplied. You can find the proper voltage for your amp printed next to the IEC line (power) cord on the rear panel of the unit. Each product feature is numbered. Refer to the front panel diagram in this manual to locate the particular features next to their number.

Please read this guide carefully to ensure your personal safety as well as the safety of your amplifier.

### FEATURES:

- Bright and Boost control for bass amp sound.
- Selectable EQ presets
- Gain control
- Multi-band equalization
- Headphone connection
- Tape/CD input connection
- Custom-voiced speaker
- Speaker protection circuit

## 需要注意的安全事项

**特别注意：**在你要连接功放的电源时，根据当地的电压在 115V 或 230V

( 50-60Hz ) 的电源转换开关上选择你的供电电压.否则将会烧坏你的设备。

在使用我们的产品时，请你认真地阅读注意的安全事项：

1. 在使用本产品前仔细地阅读操作指南
2. 请好好的保存这本操作指南
3. 请注意所有的警示指南
4. 请按照操作指南去使用本产品
5. 不要在近水的地方操作本产品, 例如浴盆,游泳池,潮湿的地下室
6. 请用微湿的抹布进行清洁
7. 请保持本产品通风口和散热口的畅通,不要将本产品放置在靠墙的地方,(最好保持超过 16CM 的空间)或箱子里,因为这样会影响到本产品的通风和散热.
8. 不要将本产品放置在靠近发热体的附近,例如,电热炉,烤箱等

谢谢你使用我们的系列贝司音箱, TS系列贝司音响能够提供足够浑厚的声音在一个非常简洁和方便使用的平台里面, 我们设计它的初衷是为了满足基本的练习和小型的户内表演, 它独有的CD外接音源接口和耳机插口能让你让你自由练习无论身处何时何地。在开始使用我们的产品之前请仔细阅读我们的使用说明。

特点:

亮音和声音推进控制极大丰富了贝司的演奏效果。

可选择的EQ预设功能

增益控制

多段均衡

耳机接口

CD和外置音源连接

定制的高性能单元

特制的单元保护线路

### (1) 输入接口(Input Jack)

在打开此音箱的电源之前请先将你的贝司接入这个1/4"的接口

### (2) 增益控制(Gain)

通过这个旋钮可以控制TS的前置增益, 可以通过同时调节声音控制达到最佳的效果, 通过旋转它从左至右来调节增益效果, 但是最后的效果也是被你调节的贝司声音的大小以及你选择的弹奏模式所决定的。

### (3) 声音模式选择(Voicing)

通过按这个按钮我们有两个声音模式可供选择, 一个是明亮一点的声音, 另外一个是比较浑厚的声音

### (4) 均衡(Equalization)

这个三段EQ均衡选择允许你对声音进行完美的调节, 当你顺时针旋转LOW的时候低频将会被增加. 当你顺时针旋转MID的时候中频将会被增加. 当你顺时针旋转HIGH的时候高频将会被增加.

### (5) 外置音源/CD接口(TS-110独有)

这个附加的输入接口能让你连接立体声CD或者磁带的外接音源大大便利了你的个人练习.

### (6) Post-EQ EFX 踏板接口-TS-112 独有

这个接口允许你接入一个效果或者CD机, 或者一个POST EQ

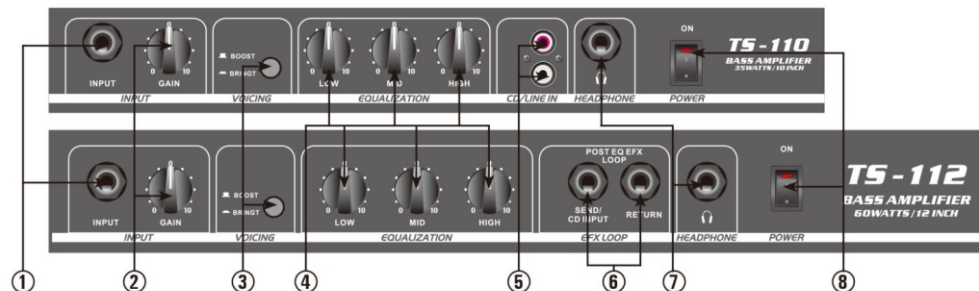
### (7) headphone input(耳机接入)

这个标准的1/4"接口能让你将立体声耳机接入到音箱内, 请将增益调到最小当你使用耳机之前, 然后慢慢将声音调到自已认可的声音当接入耳机的时候音箱的声音将自动关掉.

### (8) powerswitch(电源开关)

当开关在ON位置时此音箱就被打开了, 当红色的LED开关位于ON时此机正处于关机状态

## Front Panel



### (1) Input Jack

Plug your bass into this 1/4" jack. Connect your bass prior to turning on the power switch.

### (2) Gain

This control sets the TS® preamp input gain and works in conjunction with the selected Voicing preset (see 3, Voicing). Rotating the control clockwise increases gain, but your final setting will depend on the output of your bass (passive or active) as well as your playing style.

### (3) Voicing

The Voicing switch offers Bright and boost bass amp sound.

### (4) Equalization

The EQ section allows for tonal adjustment of the amp model selected in the Voicing section (3) and causes the EQ to respond in a manner similar to the amp being modeled. The EQ controls on the TS-110, TS-112 are of a standard passive type (controls interact depending on setting),

*Low - Rotate the control clockwise to increase the low frequencies*

*Mid - Rotate the control clockwise to increase the mid frequencies*

*High - Rotate the control clockwise to increase the high frequencies*

### (5) RCA CD/Line In jacks (TS-110 only)

These RCA input jacks allows you to connect a stereo, tape or CD player to your TS Series bass amp and play along.

### (6) Post-EQ EFX Loop (TS-112 only)

This section allows you to add an effect or connect a CD player post-EQ or after settings have been applied to the EQ section (see 4).

*Send/CD Input This standard 1/4" input jack allows you to connect a tape or CD player to your TS Series bass amp and play along. The jack also allows you to connect the input of an effects unit to your TS Series amp (see Return below).*

*Return Used in conjunction with the Send/CD input, this jack allows you to complete the loop of the effects patched in by inserting the output from the effects unit into the return jack.*

### (7) Headphone Input

This standard 1/4" input jack allows you to connect standard stereo headphones to the amplifier. Turn the Gain control all the way down before using headphones. Slowly turn up the Gain and find a comfortable listening level. When headphones are connected to TS Series amplifiers, the speaker is automatically turned off.



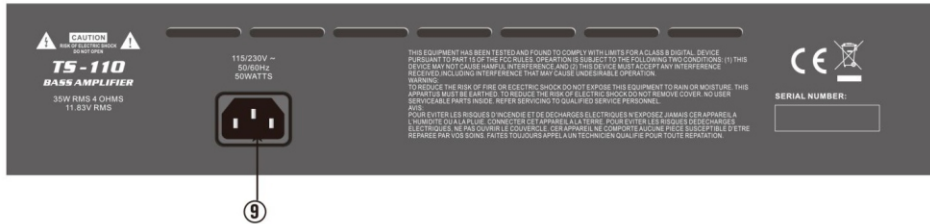
## (8) Power Switch

This two-way rocker switch applies power to the unit when placed in the ON position. A red LED on the Power switch illuminates when power is supplied.



**WARNING:** The power switch breaks only one side of the mains. Hazardous energy can be present inside the enclosure when the switch is in the OFF position.

## Rear Panel



## (9) IEC Mains Connector



This is a standard IEC power connector. An AC mains cord having the appropriate AC plug and ratings for the intended operating voltage is included in the carton.



Never break off the ground pin on any equipment. It is provided for your safety. If the outlet used does not have a ground pin, a suitable grounding adapter should be used and the third wire should be grounded properly. To prevent the risk of shock or fire hazard, always make sure that the equalizer and all associated equipment is properly grounded.

## TS-110 SPECIFICATIONS

### Rated Power:

35 watts RMS into 4 ohms,  
nominal @ 1 kHz, 115 VAC line

### Power Consumption:

**(Domestic)**  
50 watts, 60 Hz, 115 VAC  
**(Export)**  
50 watts, 50/60 Hz, 230 VAC

*The following specs are measured at 1 kHz with all controls preset at 5; "Bright" voicing:*

### Input Sensitivity:

Nominal Input Level (Bright):  
-15.4 dBV, 170 mV RMS  
Maximum Input Level:  
7.04 dBV, 2.25 V RMS

### Tape/CD Input:

Impedance: High-Z, 1.1Meg ohms  
Nominal Input Level:  
8.79 dBV, 2.75 V RMS

### Headphone Output:

Nominal Output Level:  
100 mW into 8 ohms

(Disconnects internal speaker when used)

### System Hum & Noise @

#### Nominal Input Level:

(Clean channel, 20 Hz to 20 kHz unweighted)  
Greater than 73 dB below rated power

#### Dimensions (H x W x D):

17.653" x 15.375" x 11.188"  
(449 mm x 391 mm x 285 mm)

#### Weight:

20Kg

## TS-112 SPECIFICATIONS

### Rated Power:

60 watts RMS into 4 ohms,  
nominal @ 1 kHz, 115 VAC line

### Power Consumption:

**(Domestic)**  
75 watts, 60 Hz, 115 VAC  
**(Export)**  
75 watts, 50/60 Hz, 230 VAC

*The following specs are measured at 1 kHz with all controls preset at 5; "Bright" voicing:*

### Input Sensitivity:

Nominal Input Level (Bright):  
-15.4 dBV, 170 mV RMS  
Maximum Input Level:  
7.04 dBV, 2.25 V RMS

### Tape/CD Input:

(Stereo cable must be used)  
Impedance: High-Z, 33k ohms  
Nominal Input Level:  
8.46 dBV, 2.65 V RMS

### Effects Loop:

Nominal send and return level:  
7.23 dBV, 2.3 V RMS

### Headphone Output:

Nominal Output Level:  
235 mW into 8 ohms  
(Disconnects internal speaker when used)

### System Hum & Noise @

#### Nominal Input Level:

(Clean channel, 20 Hz to 20 kHz unweighted)  
Greater than 72 dB below rated power

#### Dimensions (H x W x D):

21.25" x 18.188" x 12.125"  
(540 mm x 462 mm x 308 mm)

#### Weight:

25Kg