



扫一扫，了解更多产品
Scan for more
product information

TAKSTAR®

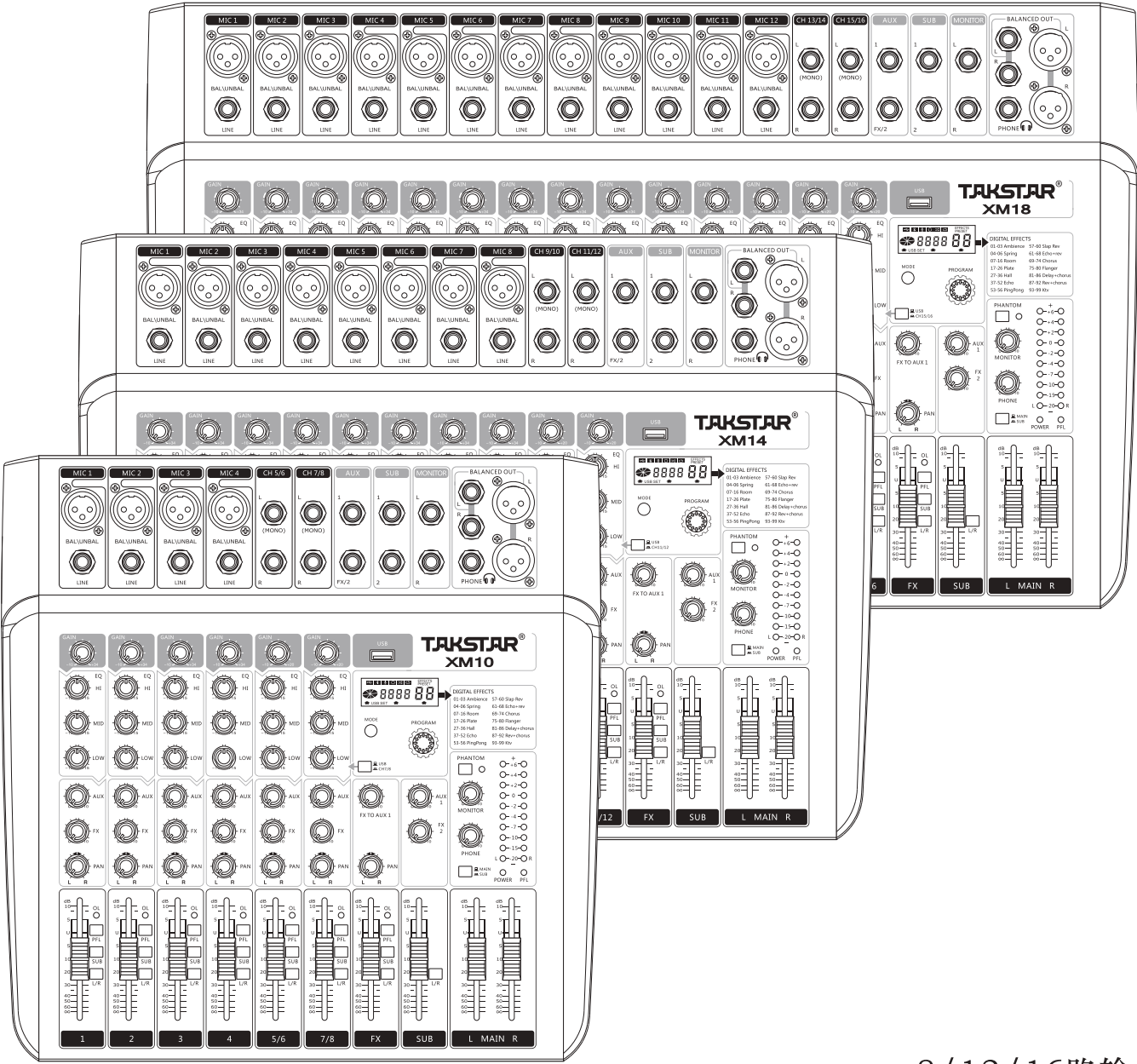
User's Manual

用户手册

广东省电声工程技术研究开发中心 广东得胜电子有限公司制造

地址：广东省惠州市博罗县龙溪街道富康一路2号
服务热线：400 6828 333 传真：0752 6383950
邮箱：xs@takstar.com
网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.
Address: No. 2 Fu Kang Yi Rd., Longxi Boluo
Huizhou, Guangdong 516121 China
Tel: 86 752 6383644 Fax: 86 752 6383952
Email: sales@takstar.com
Website: www.takstar.com



8/12/16路输入
多功能
模拟调音台

* 本说明书的内容为出版时最新的技术规格。

* the contents of this manual are the latest technical specifications at the time of publication.



内部高压，小心触电



机器重要操作和维护提示



保护接地端子



交流电流/电压



危险带电端



表示设备开启



表示设备关闭



警告
警示说明，需注意，
避免可能受伤或死亡的危险。

警告
警示说明，需注意以免造成产品
损坏。产品的报废处理不能混于
城市生活垃圾，需单独收集处理。

警告
电源在接通机器电源之前，确保主电
源电压与该机器所需电压一致，否则
将对机器造成损坏或可能危害用户安
全。机器长时间不用或打雷闪电时请
拔出电源插头，以避免触电或火灾危
险。

外部连接
使用专用电源线连接，以免造成电击
/死亡或火灾危险。若不明白，请联
系技术人员处理。

不要拆除任何外盖
机器内部有高压区，为了避免触电危
险，在电源接通时不要拆除任何外盖
。如有必要，请联系技术人员处理。

内部为非用户维修部件

保险丝
为防止火灾及机器的损坏，确保使用
指定规格保险丝，禁止使用不同规格
保险丝。在换保险前，确保关闭机器
电源，拔出电源插头。

保护接地
开启机器前，确保与地连接，避免触电
危险。严禁切断内部或外部的保护接地
线或拔出保护接地端子。

操作说明
请根据制造商的指示说明安装机器。
为了避免触电和机器损坏，不要将机器
置于雨水或潮湿环境。切勿在积水旁使
用此机器。不要将机器安装于高温源附近
不要阻塞任何通风口，以免引起火灾。
机器远离明火。

重要安全说明
-阅读安全说明
-遵从安全说明
-遵守安全说明
-注意所有警示内容
-只使用厂商指定配件

电源线和插头
不要踩踏电源线或插头。
不要断开保护接地连接。
若提供的插头与您的AC座不配套，请联系
技术人员更换电源插座。
电源线与插头不要被重物压到以免有电击
或火灾危险。

清洁
当机器需要清洁时，可用吹风机或干净的
布除去灰尘。
不要使用清洁液，如不纯苯、酒精等。
为了安全，请保持机器干净。

机器的维修
所有维修事项请询求专业技术人员帮助，
非专业人员请不要擅自处理，以免造成触
电危险。

便携式推车
使用警告



推车和支架
只使用制造商推荐
的推车或支架。
小心使用，快速停止
用力过猛和地面不平
可能造成机器和推车
翻倒。

简介

感谢您购买TAKSTAR XM系列多功能模拟调音台。

它拥有4/8/12路超低噪音的前置放大器、48V幻象电源、2路立体声输入、1路USB
立体声输入；每路通道带有3段均衡EQ、录音、编组、监听、24字节数字效果器并
配有99种效果选择。

在使用您的产品之前，请认真阅读用户说明书。

特性

- 8路输入，4路麦克风输入+2路立体声输入
12路输入，8路麦克风输入+2路立体声输入
16路输入，12路麦克风输入+2路立体声输入
- 通道3段参量均衡器
- PAN声像定位，静音开关，信号失真监控灯
- 60mm高精度电平衰减推子
- AUX辅助发送，效果FX发送功能
- 支持24-bit/48kHz录音
- 99种24BIT DSP 效果器，LCD彩屏显示
- SUB1/2编组输出
- 双10段电平监视，48V幻象供电
- USB播放/蓝牙
- 监听独立输出，耳机监听输出
- 内置110V/240V，50-60Hz宽频电源

适用范围

适用范围：适用于各种中小型活动，会议，多功能厅，小型演出。

产品配置

调音台	1台
说明书	1份
电源线	1条

目录

注意事项 1

安装示例(前面板).....4

面板功能介绍 5

1. XLR输入 5

2. 线路输入 5

3.[STEREO LINE]立体声输入 54. 增益控制 5

5. 高音 5

6. 中音 5

7. 低音 5

8. 辅助发送 5

9.效果发送 5

10 声像定位 5

11. QI (PEAK峰值指示灯)	6
--------------------	---

12. 监听/PEL 灯	6
--------------	---

13. [I]/R]主通道和[S]IR]编组分配按钮	6
----------------------------	---

10.[CPU]主频选择和[CPU]端组件分配按钮	5
11. 通道堆子	6

14. 遙遠推了	5
15. USB	6

15.95B	0
16.05B 16.15B 16.25B 16.35B 16.45B 16.55B 16.65B 16.75B 16.85B 16.95B	0

16.USB/立体声线路信号 切换按键	6
---------------------------	---

17.效果辅助 FX IO AUX	6
18.效果输出	6

18.效果推广	0
19.编辑推广	0

19. 编组推子	0
20. 输出音量推子 (左/右)	0

20. 输出重量主推子 (左/右)	0
21. ALIX 发送	3

21. AUA 发送	1
发送	3

FX发送	7
CC MAIN / QUR 主表 / 编辑网格按钮	7

22.MAIN / SUB主声 / 编组切换按键.....	7
23.CONTROL ROOM按钮.....	7

23. CONTROL ROOM] 旋钮	7
24. 檢出中平具二面板	7

24. 掬出电子显尔图板	7
25. 幻像电源	7

26. 显示屏 / MODE 按键 / PROGRAM 旋钮	7
--------------------------------	---

20. 显示屏 / MODE 按键 / FOCUS 旋钮 27.AUX/FX接口 8

28.SUB编组输出 1-2 8

29.MONITOR监听输出(L、R) 8

30.耳机接口 8

31. BALANCED OUT 主输出 8

背板功能介绍

32.AC电源接口 8

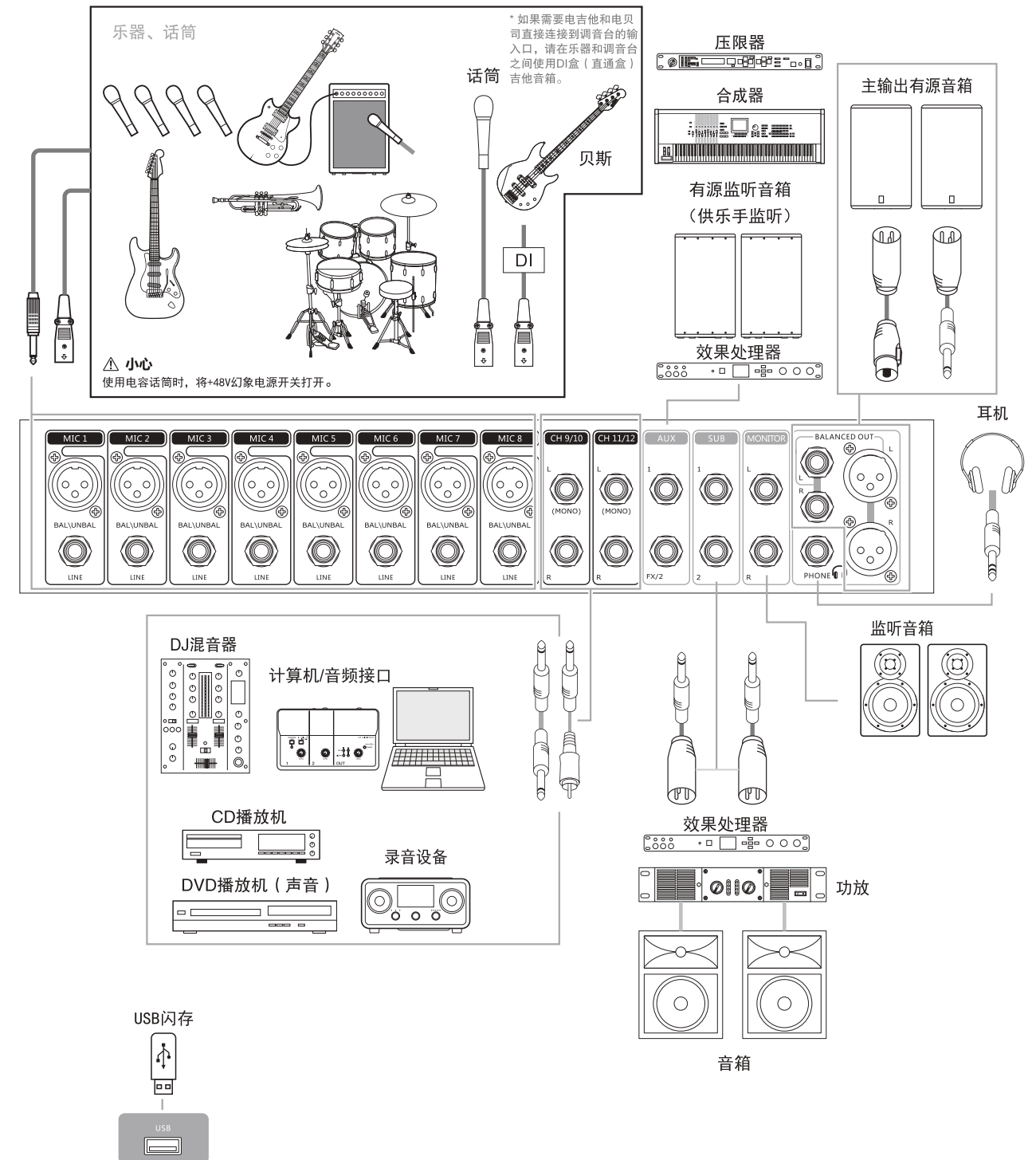
33.POWER电源开关 8

技术规格 9

安全警示 10

安装示例

前面板



面板功能介绍

1. XLR输入

平衡XLR（卡侬）输入，可以连接一个标准的卡侬公连接器。开启幻象电源的开关后，每个麦克风输入插座有+48 V幻象电源供电。

2. 线路输入

线路输入接口用于连接平衡和不平衡音源使用，主要是连接不平衡的高阻抗输入信号。
（这是用于连接乐器，电唱盘、键盘等.....）

3.[STEREO LINE]立体声输入

非平衡TRS型线路立体声输入插口。

4. 增益控制

设置提供给此通道的话筒或线路输入信号的音量。这个GAIN旋钮是用来调节话筒和线路输入信号的灵敏度的。这使外来的信号被调节到理想的内部控制电平。

5. 高音

控制此通道的高频段信号，请将旋钮调节到12点的位置，你可以根据扬声器，聆听位置和听众的口味来控制信号，对通道12kHz内的信号控制提升或衰减。

6. 中音

控制此通道的中频段信号，请将旋钮调节到12点的位置，你可以根据扬声器，聆听位置和听众的口味来控制信号，对通道2.5kHz内的信号控制提升或衰减。

7. 低音

控制此通道的低频段信号，请将旋钮调节到12点的位置，你可以根据扬声器，聆听位置和听众的口味来控制信号，对通道80Hz内的信号控制提升或衰减。可增强低音鼓、低音贝司等乐器的效果。

8. 辅助发送

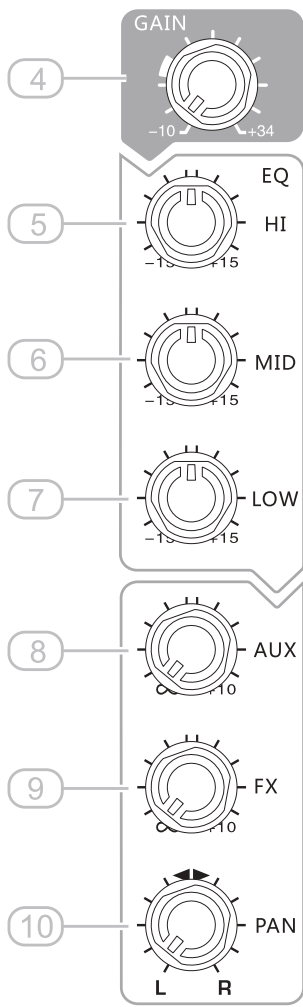
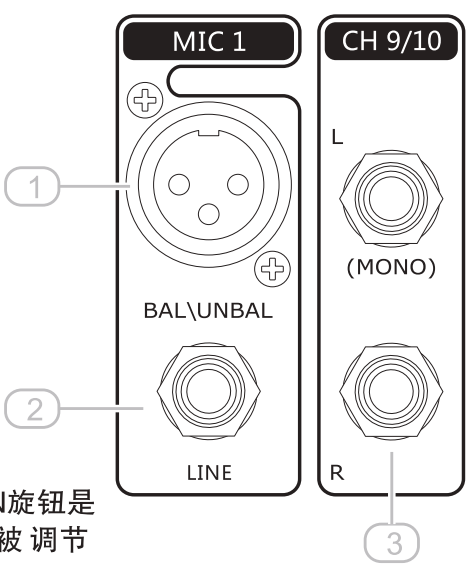
使用该旋钮可以独立调节通道的辅助发送音量大小。

9.效果发送

使用该旋钮单独控制通道输入效果器的音量大小。

10.声像定位

该旋钮用于调节该路声源在空间的声像分布。当往左调节时，相当于把该路声源放在听音的左边。当往右调节时，相当于把该路声源放在听音的右边。若把它置于中间位置时，相当于把该路声源放在听音的正中。实际上，这个旋钮是用来调节声源左右分布的旋钮，它对调音台创作立体声输出极为重要。



11. OL(PEAK峰值指示灯)

发亮时指示输入信号太大，进入调音台后失真。

12.监听/PFL灯

监听按键PFL（Pre-Fade Listen的缩写）：推子衰减前的监听，按下它，PFL灯亮，用耳机插在调音台的耳机插孔便能听见该路推子前的声音



13.[L/R]主通道和[SUB]编组分配按钮

按下该开关可以将信号输出到对应编组（总线）。
• SUB：将通道的信号分配到SUB编组（总线）。
• L/R：将通道信号分配到主通道L和R总线。

14.通道推子

衰减器（推子Fader）：该功能键的调节起两方面作用：一方面用来调节该路声音在混合中的比例，往上推比例大，往下拉比例小；另一方面，用来调节该路声源的远近分布，往上推声音大，相当于将该路声源放在较近的位置发声，往下拉，声音小，相当于将该路声源放在较远的位置发声。

15.USB

这是USB的输入，内置的MP3播放器/录音机可以播放/录制u盘中的音频文件。支持格式:MP3或WAV / WMA / FLAC或者作为一个USB音频设备

■ USB 闪存容量和格式
USB 闪存的操作已被证实兼容最高64GB 的闪存。（但不保证能使用所有种类的USB 闪存存储器。）支持FAT16 和FAT32 格式。
■ 避免意外删除
某些USB 闪存设备具有保护设定，可防止数据被意外删除。如果您的闪存设备含有重要数据，强烈推荐您使用写保护设定防止数据被意外删除。

16.USB/立体声线路信号 切换按键

用于切换USB和立声通道上的输入信号。连接USB时要将开关关闭（■）。
输出线路信号的乐器连接到Stereo Line输入插口时，要按下（■）开关。

17.效果辅助 FX TO AUX

将信号从FX发送到AUX。仅推子前信号可以发送。

18.效果推子

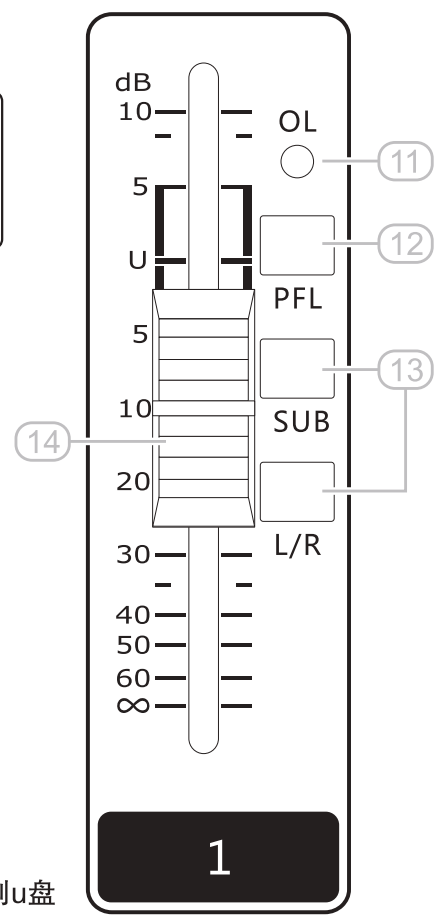
这个推子可以控制调整效果器返回到主通道母线的信号量，从而调整到效果音量。

19. 编组推子

这些推子控制编组信号的电平，由“off”到“0”统一增益，然后再到10dB的额外增益。

20.输出音量主推子（左/右）

这是一个主音量控制推子，可以调整左右声道输出音量。



21.AUX发送

控制从AUX输出发出信号的总体电平。

FX发送

控制从FX输出发出信号的总体电平。

22.[MAIN / SUB]主声 / 编组切换按钮

常规状态（）下为声源信号直接发送至主声道。
按下（）为声源信号发送至编组通道。

23.[CONTROL ROOM]旋钮

调节输出到有源监听音箱的信号电平。

PHONES旋钮

调节输出到耳机的信号电平。

24.输出电平显示面板

这是音频电平表的输出水平,仪表显示左右通道条件的运作方式，因此，你可以看到输出条件通过这主电平的指示。

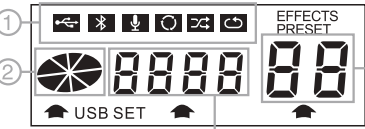
25.幻像电源

这个开关适用于48伏直流电，通过所有麦克风输入连接器的远程驱动电容式传声器。

26.显示屏 / MODE按钮
PROGRAM旋钮

A.显示屏

- 1.功能显示
- 2.运行状态或蓝牙连接状态显示
- 3.曲目时间显示/曲目数显示
- 4.效果显示(请参照右边效果种类表)

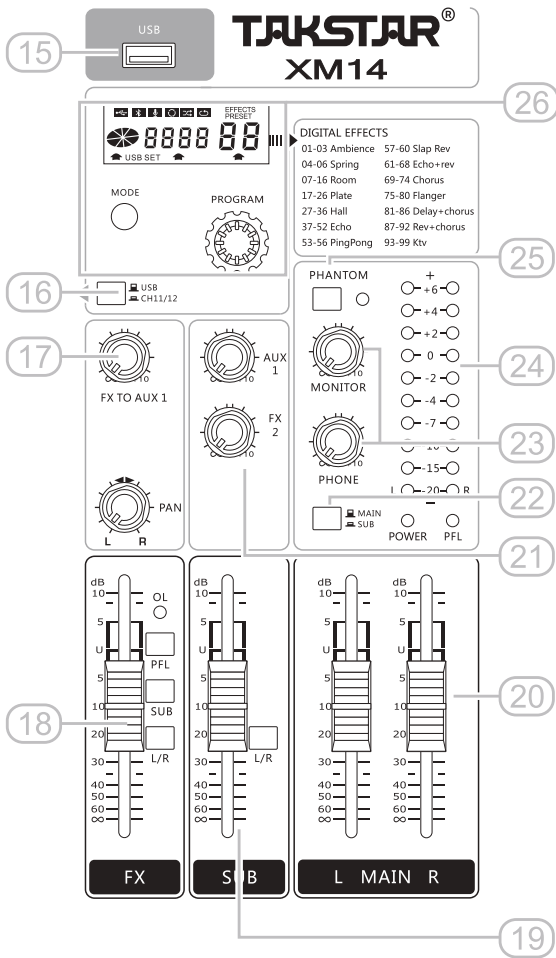


B.MODE按钮

用于切换① 功能、③ 播放、④ 效果。

C.PROGRAM 编码器

用于  ① 功能选择
③ 播放/暂停/曲目选择
右/加 左/减 ④ 效果种类挑选。
转动选择，按下确认当前选择。



操作控制简介

- 一、[MODE] 键（轻触按键）：短按：选择编码器的操作功能，依次为：模式切换、播放器操作、效果种类切换，白色箭头指示相应功能。
- 二、[MODE] 键（轻触按键）：长按：
 - 1、在录音模式下，在停止录音状态下，可进入播放录音文件模式。
 - 2、在非录音模式下，可快捷进入播放录音文件模式。
- 三、[PROGRAM] 键（编码器按键）：短按
 - 1、白色箭头在左边（模式切换），同时模式图标闪烁时，确认切换当前闪烁显示的模式。
 - 2、白色箭头在中间（播放器操作），控制运行或暂停（包括播放与录音）。
 - 3、白色箭头在中间（播放器操作），旋转编码器预选播放曲目有效时，确认播放当前对应歌曲。
- 四、[PROGRAM] 键（编码器按键）：长按
 - 1、白色箭头在中间（播放器操作），控制停止（包括播放与录音）。
 - 2、白色箭头在中间（播放器操作），当录音已停止，可进入播放录音文件模式。
 - 3、白色箭头在中间（播放器操作），在蓝牙模式下，可断开当前蓝牙连接。
- 五、[PROGRAM]编码器
 - 1、白色箭头在左边（模式切换），预选模式，相应模式图标闪烁显示，依次为U盘/声卡、蓝牙、录音、顺序播放、随机播放、单曲循环（短按[PROGRAM]键确认切换）。
 - 2、白色箭头在中间（播放器操作），U盘或SD卡播放时，预选播放曲目。
 - 3、白色箭头在中间（播放器操作），蓝牙、声卡、录音文件播放时，切换上/下曲。
 - 4、白色箭头在右边（效果种类切换），切换效果种类。
- 六、播放U盘的录音文件时，同时显示U盘和录音的图标以作指示。

27.AUX/FX接口

AUX/FX这些插口可连接诸如外接效果器设备或舞台/工作室等监听系统输出。
这些是阻抗平衡式型输出插口。

28.SUB编组输出 1–2

这些阻抗平衡 1/4” TRS 插口可输出编组（SUB）1–2 的信号。可用这些插口连接多轨录音机、外接调音台或其它此类设备的输入口。

29.MONITOR监听输出(L、R)

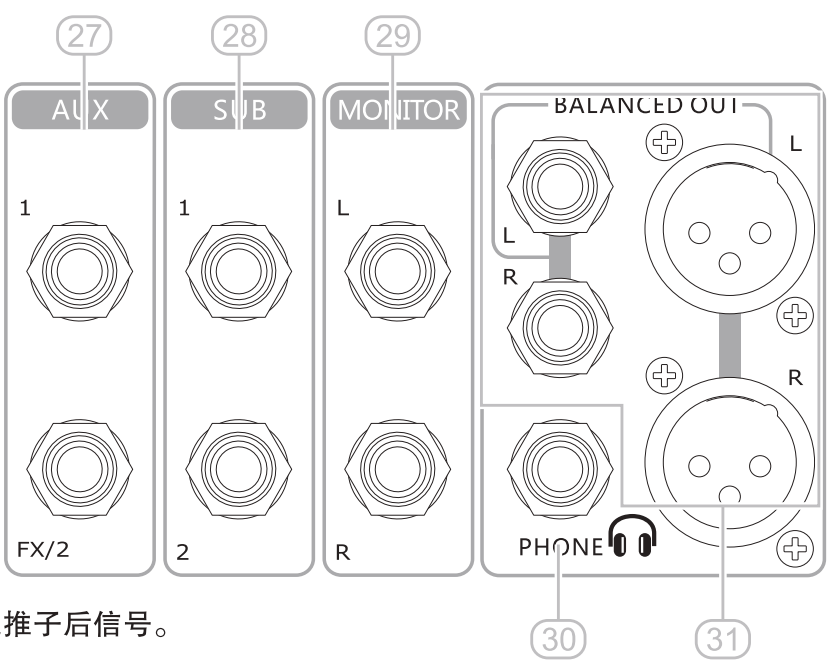
这些插口是阻抗平衡1/4"TRS型输出插口，可连接到监听系统。这些插口向各个总线输出推子前或推子后信号。

30.耳机接口

这是用于监听主输出和所有通道旁听信号，按下PEL每个脉冲形成线路单独监测，全部弹起PEL键监听主输出的左右声道。

31.BALANCED OUT 主输出

这里有两套为主输出而设的接口：凸形XLR插孔提供平衡的线路信号；1/4” TRS插孔提供平衡或者非平衡的信号。每一个XLR插孔都是平行于它与对应的1/4” TRS插孔，而且负载相同的信号。这代表着整个混音链的最后部分，连接这些插孔到你的主功放上，有源音箱，或者一系列效果处理器，让你的混音信号真实体现出来。



背板功能介绍

32.AC电源连接口

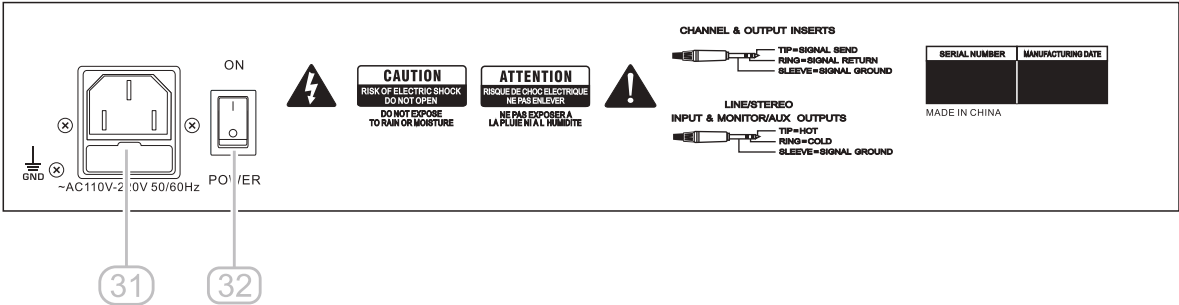
标准的IEC电源接口，如果掉失本调音台所提供的电源线,也可使用专业的录像机、乐器、计算机的三孔IEC线连接使用。

33.POWER电源开关

打开或关闭本机。将开关设置到“1”位置可以打开电源。
将开关设置到“O”位置可以关闭电源。

POWER电源灯

当电源开关打开时，调音台的POWER电源指示灯会亮灯。



技术规格

0 dBu=0.775 Vrms, 0 dBV=1 Vrms

如果没有指定所有推子将设定到标称位置。（标称位置被调整到低于最大位置 10 dB）

信号发生器的输出阻抗 (Rs)=100 ohm, 输出负载阻抗 =100k ohm (TRS phone 型输出)

增益 GAIN (0dBu)	OUTPUT 输出		CHANNEL (单声道)	
			MIC(咪放)	LINE(线路)
	INPUT 输入			
	GAIN (增益)	0dB IN	5dB~50dB	-10dB~34dB
	INSERT (加插)		-	-
	MONITOR OUT (监听输出)	MAX (ALL MAX) 所有增益电位器最大	67dB	51dB
	PHONES OUT (耳机输出)	MAX (ALL MAX) 所有增益电位器最大	67dB	51dB
		0dB(GAIN Control at 0dB) 增益调到0dB	0dB	0dB
STEREO OUT (立体声输出)	MAX (ALL MAX) 所有增益电位器最大	64dB	48dB	
	0dB(GAIN Control at 0dB) 增益调到0dB	5dB	0dB	
CMRR (共模抑制比)		0dB(GAIN Control at 0dB) 增益调到0dB	62dB	-
THD (总谐波失真) 0dB		STEREO OUT (GAIN Control at 0dB) 增益调到0dB	0.01%	0.01%
		PHONES OUT (GAIN Control at 0dB) 增益调到0dB	0.01%	0.01%
Signal to Noise Ratio (信噪比)		STEREO OUT (立体声输出)	90dB	84dB
		MONITOR OUT (监听输出)	82dB	74dB
Noise 噪声		MONITOR OUT(Fader at 0dB) 监听输出(推子调到0dB)	-86dBu	
		STEREO OUT(Fader at 0dB) 立体声输出(推子调到0dB)	-88dBu	
		STEREO OUT(Fader at MIN) 立体声输出(推子调到最小)	-92dBu	
EMI 等效噪音输入			-122dB	

本使用说明书的内容为印刷时最新的技术规格。由于产品会不断改善，可能本说明书中的规格与您的产品规格不符，请至网站下载最新版本的使用说明书。技术规格、设备或选购配件在各个地区可能会有所不同，因此如有问题，请与当地经销商联系并确认。

■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品，请仔细阅读并遵守以下事项:

1. 使用产品时请确认所连接设备与本产品功率是否匹配以及合理调整音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常和听力损伤；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送经销商检修；
3. 本产品及配件都应放置在室内干燥通风处，勿长期存放在潮湿、灰尘多的环境，使用中避免靠近火源、雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
4. 若产品需要固定于墙壁或天花板上时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
5. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用本机，以免导致意外事故；
6. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地经销商跟进处理。



仅适用于海拔2000
米以下地区使用



仅适用于非热带
气候条件下使用

Important Safety Instructions



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions.

Please read.



Protective Ground Terminal



AC mains (Alternating Current)



AC mains (Alternating Current)

ON:

Denotes the product is turned on.

OFF:

Denotes the product is turned off.

WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.



CAUTION

Describes precautions that should be observed to prevent damage to the product. Disposing of this product should not be placed in municipal waste but rather in a separate collection.

WARNING

Power Supply

Ensure that them a inssource voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

Do Not Remove Any Covers

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

Protective Ground

Before turning the unit ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock.

Never cut internal or external Ground wires. Like wise, never remove Ground wiring from the Protective Ground Terminal.

Operating Conditions

Always install in accordance with the manufacturer's instructions.

To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture.

Do not use this product when in close proximity to water.

Do not install this product near any direct heat source. Do not block areas of ventilation. Failure to do so could result in fire.

Keep product away from naked flames.

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions

Follow all instructions

Keep these instructions. Do not discard.

Heed all warnings.

Only use attachments / accessories specified by the manufacturer.

Power Cord and Plug

Do not tamper with the power cord or plug. These are designed for your safety.

Do not remove Ground connections!

If the plug does not fit your AC out let seek advice from a qualified electrician.

Protect the power cord and plug from any physical stress to avoid risk of electric shock.

Do not place heavy objects on the power cord. This could cause electric shock or fire.

Cleaning

When required, either blow off dust from the product or use a dry cloth.

Do not use any solvents such as Benzol or Alcohol.

For safety, keep product clean and free from dust.

Servicing

Refer all servicing to qualified service personnel only.

Do not perform any servicing other than those instructions contained within the User's Manual.

PORTABLE CART WARNING



Carts and stands - The component should be used only with a cart or stand that is recommended by the manufacturer. A component and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the component and cart combination to overturn.

Introduction

Thank you for purchasing this multi-function analog XM series mixer from TAKSTAR.

It has 4 / 8 / 12 way ultra low noise preamplifier, 48V phantom power, 4 way stereo input, 1 way USB stand Body sound input; each channel with 3 balanced EQ、REC、SUB、Monitor、24-byte digital effectors. There are 99 effect options.

Please read the user instructions carefully before using your product.

Features

- 8 inputs,including 4 mics+ 2 Stereos(L+R)
12 inputs,including 8 mics+ 2 Stereos(L+R)
16 inputs,including 12 mics+ 2 Stereos(L+R)
- 3 band EQ
- 60mm logarithmic fader
- PAN, MUTE, THD signal lamp
- AUX + FX send
- Supports 24-bit/48kHz recording
- Built-in 99 kinds of 24BIT DSP +LCD color display
- Group output of SUB1/2
- Double 10 level monitoring, 48V phantom power supply
- USB/REC Player, Bluetooth
- Independent monitoring + Headphones monitoring for output
- Built-in 110V/240V, 50-60Hz broadband power supply

Application

Suitable for all kinds of small & medium activities, conferences, multi-function hall, small performance

Product Configuration

Mixer	1
User's Manual	1
Power Cord	1

Contents

Cautions 11

INSTALL SAMPLE(FRONT PANEL)..... 14

Panel Function 15

1. XLR INPUT 15

2. LINE INPUT 15

3.STEREO LINE INPUT 15

4. GAIN CONTROL 15

5. HIGH 15

6. MID 15

7. LOW 15

8. AUX 15

9.FX 15

10.PAN 15

11. OL(PEAK) 16

12.PFL Switc/PFL LED 16

13.L/R and SUB Button 16

14.FADER 16

15.USB 16

16.USB and Stereo Line Switch 16

17.FX TO AUX 16

18.FX FADER.....16

19. SUB Fader 16

20.MAIN FADER(LEFT/RIGHT) 16

21.AUX Send 17

FX Send 17

22.MAIN / SUB Switch 17

23.CONTROL ROOM Knod.....17

24.LEVEL METERS 17

25.PHANTOM(+48V) 17

26.DISPLAY / MODE / PROGRAM 17

27.AUX/FX Jack 18

28.SUB1-2 18

29.MONITOR(L、R) 18

30.PHONES 18

31.BALANCED OUT 18

Back panel function

32.AC Jack 18

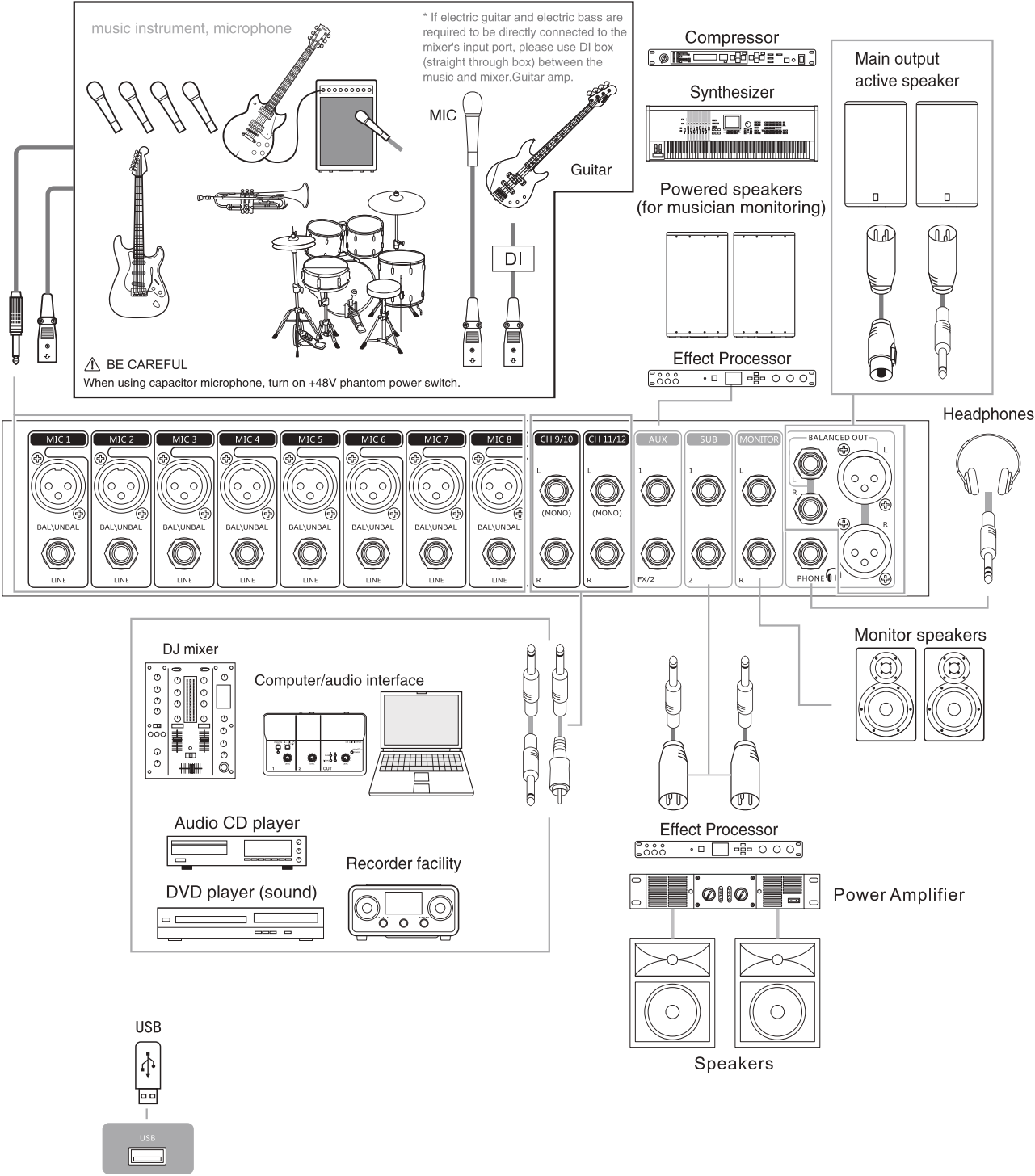
33.PPOWER Switch 18

Specifications 19

Safety warnings 20

INSTALL SAMPLE

FRONT PANEL



Panel Function

1. XLR INPUT

Electronically Balanced inputs acceptable a standard XLR male connector.+48V Phantom Power available on each input Mic socket.And this switch is on Rear Phantom Power.

2. LINE INPUT

The unbalanced Mic input is provided for the use of a unbalanced mic and is designed to accept a unbalanced high impedance input signal.
(This use for connection Deck,Turntable,Keyboard ect.)

3.STEREO LINE INPUT

Unbalanced TRS type line stereo input jack.

4. GAIN CONTROL

Sets the volume of the microphone or line input signal provided to this channel.The GAIN knob is used to adjust the sensitivity of the microphone and the input signal of the circuit.This allows external signals to be adjusted to the desired internal control level.

5. HIGH

Control the high frequency tone of each channel,Always set this control to the 12 O'clock position,but you can control the high frequency tone according to the speaker,the conditions of listening position and listener's taste,Clockwise rotation of the control increases level.

6. MID

This has a function which controls the middle frequency tone of each channel. Always set this control to the 12 o'clock position,but you can control the middle frequency tone allording to the speaker, the conditions of listening position and listener's taste. Clockwise rotation of the control increases the level, and vice verse.

7. LOW

Control the low frequency tone of each channel.Always set this control to the 12 o'clock position,but you can control the middle frequency tone according to the speaker,the conditions of listening position and listener's state.Clock wise rotation of the control increase the level.

8. AUX

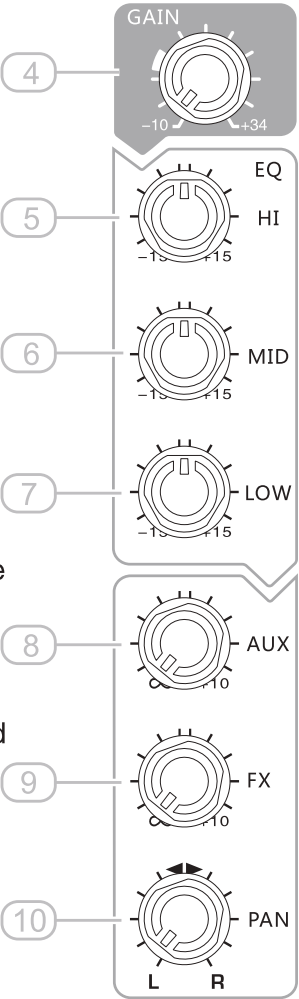
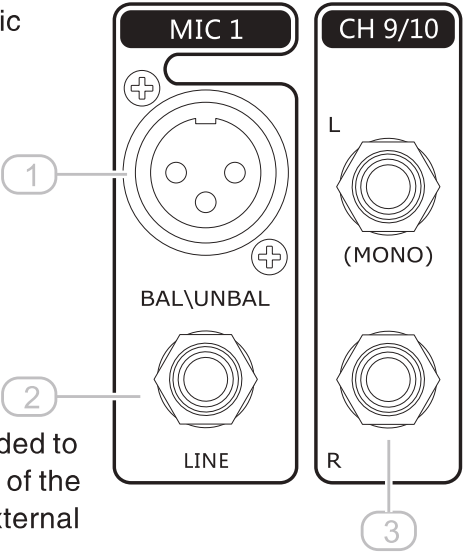
Use this contol to set the level of signal from external stereo souce and the main signal control is recontrolled by STEREO or MONO section.

9.FX

Use this control when you want to get effect sound by adjustment of input signal. when you don't use external souce,digital delay will be working which installed inside.

10.PAN

The pan control sends continuously variable amounts of the post fader signal to either the left or right main busses. In the certer position equal amounts of signal are sent to the left and right busses.



11. OL(PEAK)

A red LED indicates a signal level at the insert return point.

12.PFL Switch/PFL LED

You can monitor the signal of the only channel which PFL switch is turned "ON" using by headphone in useful.When PFL switchturned on, other channels ofr cut off automatically.

13.L/R and SUB Button

Press the switch to output the channel signal to the corresponding SUB marshalling or MAIN bus.

- Switch SUB 1-2: assign channel signals to sub1-2 marshalling (bus).
- MAIN switch: allocates channel signals to the MAIN L and R buses.

14.FADER

This is function to adjust the volume of signal connection into each channel and adjust the volume of output, together with master fader. Normal oper-ation is at the "U"mark, providing 4dB of gain above that point, if required.

15.USB

Used to connect to USB flash drive and computer connection. (support computer recording)
Supported :MP3 or WAV/WMA/FLAC or as a USB audio device

■ flash memory capacity and format
USB flash operation has been proven to be compatible with up to 64GB flash.
(there is no guarantee that it will work with all types of USB flash memory.)Support for FAT16 and FAT32 formats
■ Avoid accidental deletion
Some USB flash devices have protection Settings to prevent data from being accidentally deleted.
If your flash device contains important data, it is strongly recommended that you use write protection Settings to prevent data from being accidentally deleted.

16.USB and Stereo Line Switch

Used to switch input signals on usb and Stereo.Trun off the switch (■) when connecting to USB.
Turn on the (■) switch when the instrument with the output LINE signal is connected to the Stereo Line input jack.

17.FX TO AUX

Sends the signal from FX to AUX.Only the pre-fader signal can be sent.

18.FX FADER

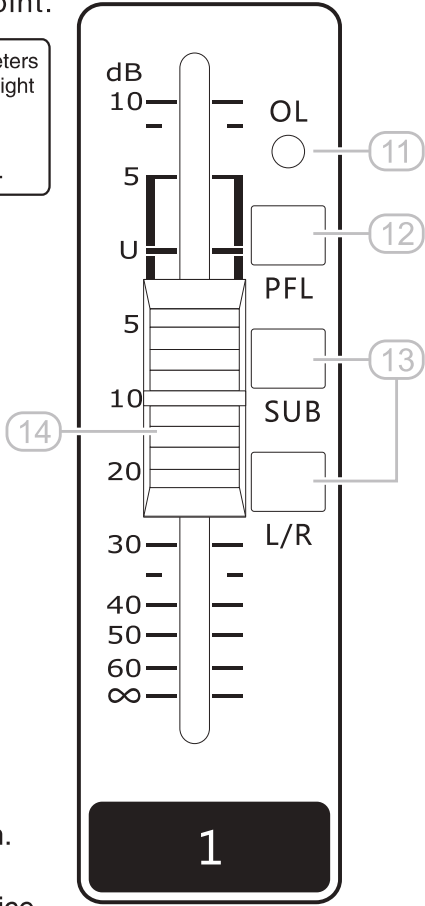
This push can control the semaphore that the adjuster returns to the main channel bus, thus adjusting to the effect volume

19. SUB Fader

This fader controls the level of the marshalling signal, from "off" to "0" unified gain, and then to 10 db the additional gain.

20.MAIN FADER(LEFT/RIGHT)

This is a master fader for adjustment for volume of left/right output.
Unity gainis the top their travel.



21.AUX Send

Controls the overall level of signals emitted from the AUX output.

FX Send

Control the overall level of the signal emitted from the FX output.

22.MAIN / SUB Switch

Under normal state (▲), the sound source signal is sent directly to the main channel.Press (▼) to send the sound source signal to the group channel.

23.CONTROL ROOM Knod

Adjust the signal level output to the Powered speakers.

PHONES Knod

Adjusting the level of the signal output to the [PHONES] jack.

24.LEVEL METERS

This is level meter which shows output levels of left &right channel condition on the way of operation,therefore,you can see output condition thru this master level indication.

25.PHANTOM(+48V)

Depressing this switch applies 48V DC across all microphone input channels connectorsfor remote powering of condenser microphones.

26.DISPLAY / MODE / PROGRAM

A.DISPLAY

- 1.Function Display
- 2.Display the running status or bluetooth connection status
- 3.song time display/song number display
- 4.effect types (please refer to the list of effects on the right)

01-03 Ambience	57-60 Slap Rev
04-06 Spring	61-68 Echo+rev
07-16 Room	69-74 Chorus
17-26 Plate	75-80 Flanger
27-36 Hall	81-86 Delay+chorus
37-52 Echo	87-92 Rev+chorus
53-56 PingPong	93-99 Ktv

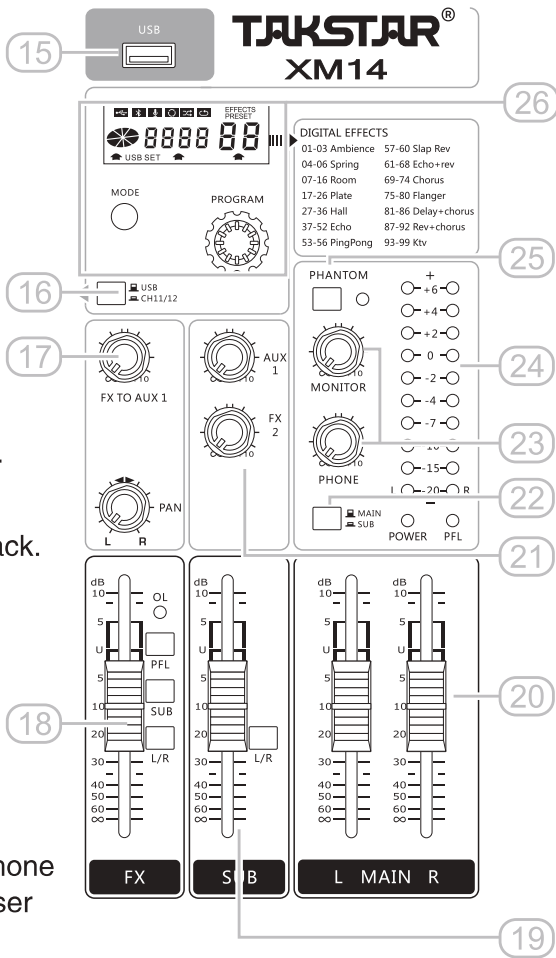
B.MODE

Used to switch ① Function, ③ Playback, ④ Effect

C.PROGRAM

- Used
- ① Feature selection
- ③ Play/Pause/Song selection
- Add/right
- Left/minus
- ④ Effect category selection

Rotate the selected track and press Confirm the current selection.



Operational control instructions

- A.[PLAY MODE] (touch the key lightly) : Press short: select the operation function of the encoder, and then press in turn ls: mode switch, player operation, effect type switch, white arrow indicates the corresponding function.
- B. [PLAY MODE] (touch the key lightly) : Long press:
- 1. In the recording mode or in the stop recording state, you can enter the mode of playing recording files.
 - 2. In non-recording mode, you can quickly enter the mode of playing recorded files.
- C. [PROGRAM] key (encoder key) : short press
- 1. When the white arrow is on the left (mode switch) and the mode icon is flashing, make sure to switch to the current flashing Display mode.
 - 2.When the white arrow is in the middle (player operation), control to run or pause (including playback and recording)
 - 3.When the white arrow is in the middle (player operation) and the rotary encoder pre-selected play track is valid, confirm to play the current corresponding song.
- D. [PROGRAM] (encoder key): long press
- 1. The white arrow is in the middle (player operation), and the control stops (including playback and recording).
 - 2. The white arrow is in the middle (player operation). When the recording has stopped, you can enter the mode of playing the recording file.
 - 3. The white arrow is in the middle (player operation). In the Bluetooth mode, the current Bluetooth connection can be disconnected.
- E. [PROGRAM] encoder
- 1. The white arrow is on the left (mode switching), the mode is pre-selected, and the corresponding mode icon flashes, in sequence it is U disk/sound card, Bluetooth, recording, sequential play, random play, single loop (short press [PROGRAM] key to confirm switching).
 - 2. The white arrow is in the middle (player operation). When the U disk or SD card is playing, pre-select the play track.
 - 3. The white arrow is in the middle (player operation), when the Bluetooth, sound card, and recording file are playing, switch the previous/next song.
 - 4. The white arrow is on the right (switching effect type) to switch the effect type.
- F. When playing the recording file of the USB flash drive, the icons of the USB flash drive and the recording are displayed at the same time for instructions.

27.AUX/FX Jack

You use these jacks, for example, to connect to an external effect device or a stage/studio monitoring system. These are impedance-balanced * phone-type output jacks.

28.SUB1-2

These impedance-balanced 1/4" TRS jacks output the SUB 1-2 signals. Use these jacks to connect to the inputs of a multi-track recorder, external mixer, or similar device.

29.MONITOR(L、R)

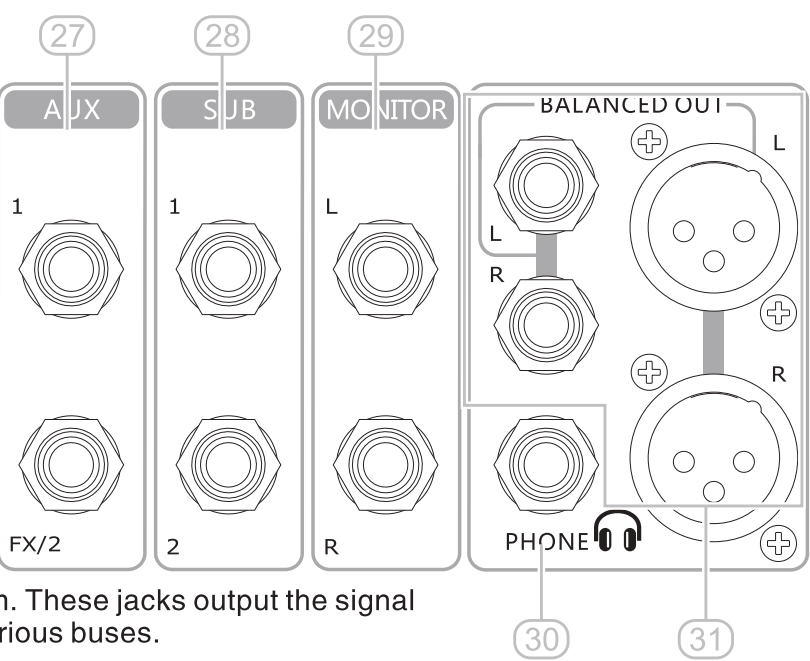
These are impedance-balanced 1/4"TRS phone output jacks that you connect to your monitor system. These jacks output the signal before or after the faders for the various buses.

30.PHONES

This is used for monitoring themaster signal and individually monitoring each channel with PFL,L/R&SUB 1-2.

31.BALANCED OUT

Here are two main output interfaces: the convex XLR jacks provide balanced circuit information; The 1/4 "TRS jack provides a balanced or unbalanced signal.Each xlr jack is parallel to its 1/4" trs jack, and the load phase Same signal. This represents the last part of the entire mixing chain, connecting these jacks to you Main power on, active speaker, or a series of effect processors to make your mixing signal real the entity appears.



Back panel function

32.AC Jack

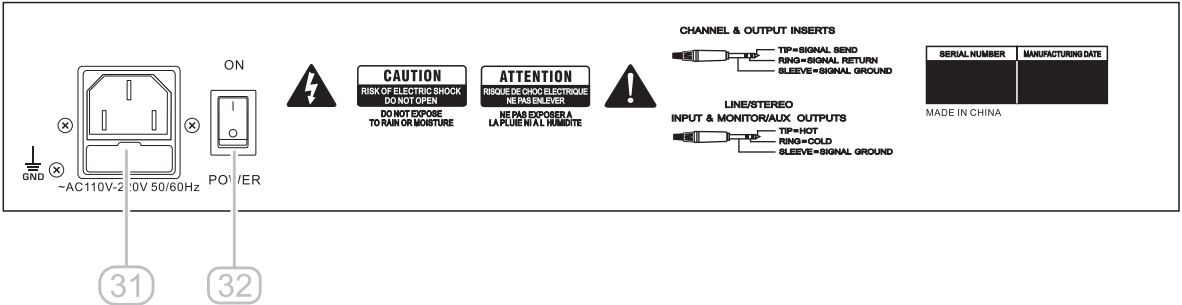
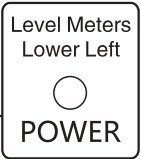
Standard iec power interface, if the power line provided by this mixer, can also use professional video recorder, musical instruments, computer three-hole iec wire connection.

33.PPOWER Switch

Turns power to the unit on or off. Press the switch to the “I” position to turn on the power. Press the switch to the “O” position to turn off the power.

POWER LED

The indicator on the mixer will light up when the POWER switch is turned on.



Specifications

0 dBu=0.775 Vrms, 0 dBV=1 Vrms
If you do not specify all the pushes will be set to the nominal position.(nominal position adjusted to 10 dB below maximum position)
Output impedance (Rs) of the signal generator =100 ohm, output load impedance =100k ohm (TRS phone output)

GAIN (0dBu)	INPUT \ OUTPUT		CHANNEL	
			MIC	LINE
	GAIN	0dB IN	5dB~50dB	-10dB~34dB
	INSERT		-	-
	MONITOR OUT	MAX (ALL MAX)	67dB	51dB
	PHONES OUT	MAX (ALL MAX)	67dB	51dB
		0dB(GAIN Control at 0dB)	0dB	0dB
	STEREO OUT	MAX (ALL MAX)	64dB	48dB
		0dB(GAIN Control at 0dB)	5dB	0dB
CMRR		0dB(GAIN Control at 0dB)	62dB	-
THD 0dB		STEREO OUT (GAIN Control at 0dB)	0.01%	0.01%
		PHONES OUT (GAIN Control at 0dB)	0.01%	0.01%
Signal to Noise Ratio		STEREO OUT	90dB	84dB
		MONITOR OUT	82dB	74dB
Noise		MONITOR OUT(Fader at 0dB)	-86dBu	
		STEREO OUT(Fader at 0dB)	-88dBu	
		STEREO OUT(Fader at MIN)	-92dBu	
EMI			-122dB	

The contents of this manual are the latest technical specifications at the time of printing.As the product will continue to improve, the specifications in this manual may not be in accordance with your product specifications.
Please go to the website to download the latest version of the manual.Technical specifications, equipment or accessories may vary from place to place, so please contact and confirm with local distributor.

Safety warnings

- In order to avoid personal injury or property loss caused by electric shock, high temperature, fire, radiation, explosion, mechanical hazard and improper use, please read carefully and observe the following matters when using this product:
1. When using the product, please confirm whether the connected device matches the power of the product and reasonably adjust the volume. Do not use the product for a long time in excess of the power and high volume of the product, so as to avoid abnormal product and hearing damage;
 2. Use if found abnormal (such as smoke, odor, etc.), please immediately turn off the power switch and unplug the power plug, and then send the product to dealers for maintenance;
 3. The product and accessories should be placed in a dry and ventilated place indoors, and should not be stored in a humid and dusty environment for a long time. During use, avoid being near the fire source, rain, water, excessive collision, throwing, vibrating the machine and covering the ventilation hole, so as not to damage its function;
 4. If the product needs to be fixed on the wall or ceiling, please ensure that it is fixed in place to prevent the product from falling risk due to insufficient fixed strength;
 5. When using the product, please comply with the relevant safety regulations. Please do not use the product when it is expressly prohibited by laws and regulations to avoid accidents.
 6. Please do not disassemble or repair the machine by yourself to prevent personal injury. If there is any problem or service demand, please contact the local dealer for follow-up treatment.



Only suitable for use in areas below 2000 meters



Only suitable for use in non-tropical climates

注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

产品服务保证书

姓名：_____ 电话：_____ 地址：_____

商品：_____ 型号：_____ 购买日期：_____ 年____ 月____ 日

维修记录栏（由维修员填写）	维修员签名	日期

◆广东得胜电子有限公司 ◆电话：400-6828-333 ◆地址：广东省惠州市博罗县龙溪街道富康一路2号