TAKSTAR®得胜

XR-3400FX
模拟调音台 | ANALOG MIXER

使用手册 | USER MANUAL

■ 前言

尊敬的用户：

感谢您选购得胜XR-3400FX调音台，为了您能够更好的了解使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热4006828333或微信扫描二维码关注得胜官方公众号与我们联系。

■ 产品特性

- 32路平衡XLR麦克风+2路TRS立体声，每个通道具有独立的声像控制；
- 1路立体声辅助返回输入+ USB-A 2. 0数据接口+无线连接，可用于USB播放，外接其他电子设备，方便使用；
- 30路通道内置独立压缩器和支持32路+48V幻像电源，所有配道通道静音功能；
- 主输出配有9段图示均衡器；每通道带4段均衡器，可对高、中高、中低、低音进行调节；
- 主声道L/R，GROUP1-4编组输出，PFL独奏等母线信号分配按钮；
- 每个通道拥有4个辅助输送；配有PRE/POST开关的辅助输送AUX1和AUX2可切换推子前推子后信号输出，AUX3辅助发送电平控制旋钮以及控制从EFX输出发出的信号的总体水平，这种通常被用于控制连接外部效果器的信号音量， AUX4辅助发送电平控制旋钮以及效果发送电平控制旋钮，AUX3/AUX4都是推子后；
- 具有效果FX发送功能，REC莲花输入和录音输出，监听独立输出，耳机监听输出功能；
- 内置24种24BIT DSP参数可调音频效果器，可根据不同环境使用需求灵活调音；
- 双12段效果电平监听指示；PAN声像定位，静音开关，信号失真监控灯；
- 紧凑型多功能调音台，配合数字显示屏，60mm高精度电平衰减推子，参数调整更准确直观。

■ 适用范围

商业演出、大型集会、户外等场合

■ 包装清单

调音台.....1台

电源线.....1条

说明书.....1份

■ 技术参数

主混音噪音

20Hz-20kHz频宽，1/4"主输出，通道增益、通道均衡平面、全部通道派送到主混音，奇数通道声像关闭右通道声像

主混音推子通道推低：-85dBu　　90dB信噪比，参考+4dBu

主混音推子通道推子：-85dBu

总谐波失真率

（1kHz 35dB增益，20Hz-20kHz频宽）　　麦克风插入：＜0.05%

衰减（串音）

（1kHz relative to 0dBu,20Hz-20kHz bandwidth,Line in,1/4”Main out,Gain@unity.）

使用中的通道静音开关：-70 dBu　　通道增益键最低：-70 dBu

频率响应

麦克风输入到任何输出　　20Hz to 40kHz：+0dB/-1dB

20Hz to 60kHz：+0dB/-2dB

EIN=等效输入噪音

麦克风输入到发送输出，最大增益限度。　　150欧姆终止：-129.5dBu 20Hz-20kHz

共模抑制比=CMRR

麦克风输入到发送输出，最大增益限度　　1kHz：better than-70dB

最大电平

麦克风输入：+20dBu　　其他输入：+20dBu

主混音TRS输出和XLR输出：+28dBu　　其他输入+20dBu

阻抗

麦克风输入：2.5kilohms　　通道输入返回：2.5kilohms

其他输入：10kilohms or greater　　录音输出：1.1kilohms

其他输出：120ohms

3波段EQ

高　　±15db@12kHz　　中　　±15db@2.5kHz

低　　±15db@400Hz　　低切过滤器 ±15db@80Hz

耗电量

110VAC,50/60Hz,25-65 watts　　220VAC,50/60Hz,25-65 watts

保险丝消耗

100-120VAC 3A Slo Blo ,5*20mm　　220-240VAC 1A Slo Blo ,5*20mm

尺寸规格

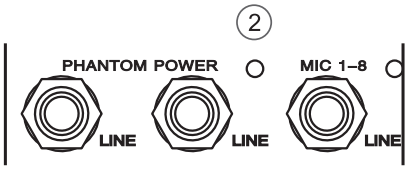
1070*485*120mm

重量

16.2KG

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

■ 功能示意



面板介绍

① MIC IN 麦克风输入插口

XLR平衡麦克风前置放大电路输入支持增益范围为0dB至-50dB的音源。

② 幻象电源开关以及指示灯

该开关向输入XLR连接器施加+48 VDC电压，以为需要幻象电源的麦克风供电。如果使用幻象电源，请勿连接非平衡动态麦克风或其他无法处理此电压的XLR 输入设备。

③ LINE 线路输入插口

该插孔为1/4"平衡(TRS)高阻抗输入。芯为正极输入，应用于非平衡输入。话筒和线路输入不应该同时使用。

④ GAIN增益旋钮

该旋钮对通道输入信号灵敏度进行调节，麦克风XLR插口输入时增益调节范围为0-50dB，线路TRS插口输入时调节范围为-20dB-+30dB。

⑤ 低切按键

可将输入声音信号的频率成分中100Hz以下的成分切除。此按键用于扩声环境欠佳，常有低频嗡嗡声的场合和低频声不易吸收的扩声环境。

⑥ COMP压缩/限幅旋钮

调节应用到通道的压缩的效果量。随着旋钮向右旋转，压缩率将增大，同时输出增益也会相应地自动调节。这样可以获得一个更平滑、更平均的动态，这是由于整体电平提升后大动态的信号被衰减所致。当压缩器运行时，COPM 指示灯将亮起。

注意：由于较高平均输出电平会产生反馈，因此避免将压缩率设得太高。

⑦ [EQ]均衡

[HI]高频

可对通道12KHz附近的信号进行提升或者衰减，调节范围为“-15dB～+15dB”。

[MID HI]中高频

可对通道2.5KHz附近的信号进行提升或者衰减，调节范围为“-15dB～+15dB”。

[MID LOW]中低频

可对通道400Hz附近的信号进行提升或者衰减，调节范围为“-15dB～+15dB”。

[LOW]低频

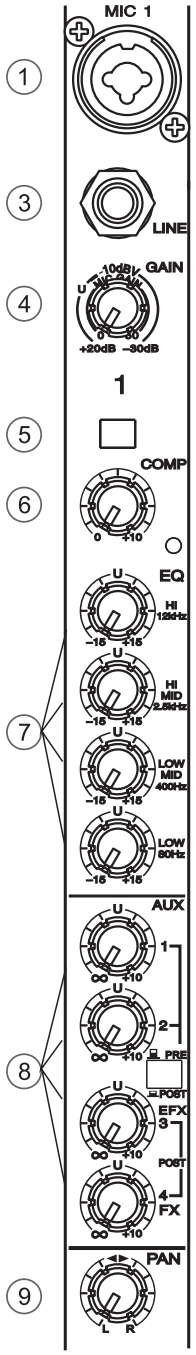
可对通道80Hz附近的信号进行提升或者衰减，调节范围为“-15dB～+15dB”。

⑧ AUX1-4 辅助发送

XR-3400FX调音台的每个通道提供4个辅助发送；AUX1 和AUX2 是推子前或推子后发送，具体取决于PRE/POST按钮的位置。AUX3和AUX34 是推子后发送。

⑨ [PAN]声像调节旋钮

该旋钮控制左/右通道及编组1/2、3/4总线信号的位置。逆时针旋转控制钮增加发送至左通道及奇数组的信号量；而顺时针旋转则会增加发送至右通道和偶数组的信号量。例如，通道总线分配开关（13）位于1/2位置时，逆时针旋转该钮会增加发送至编组1的信号量，顺时针旋转则增加对编组2的发送量，而中间位发送给各编组的量相等。



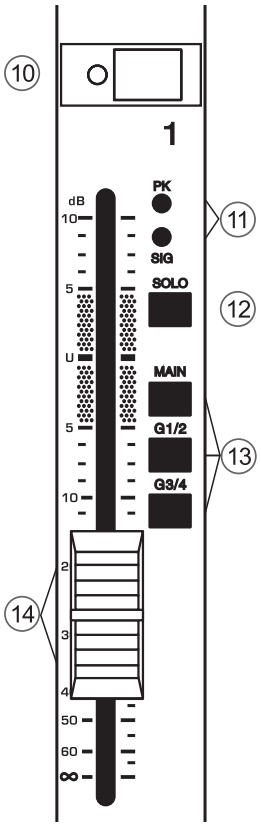
⑩ [MUTE]静音按键/静音灯
按下该按键将静音发送到主混音、辅助发送、效果的信号。静音开关不会影响发送到solo系统的信号，此时静音灯常亮红灯。

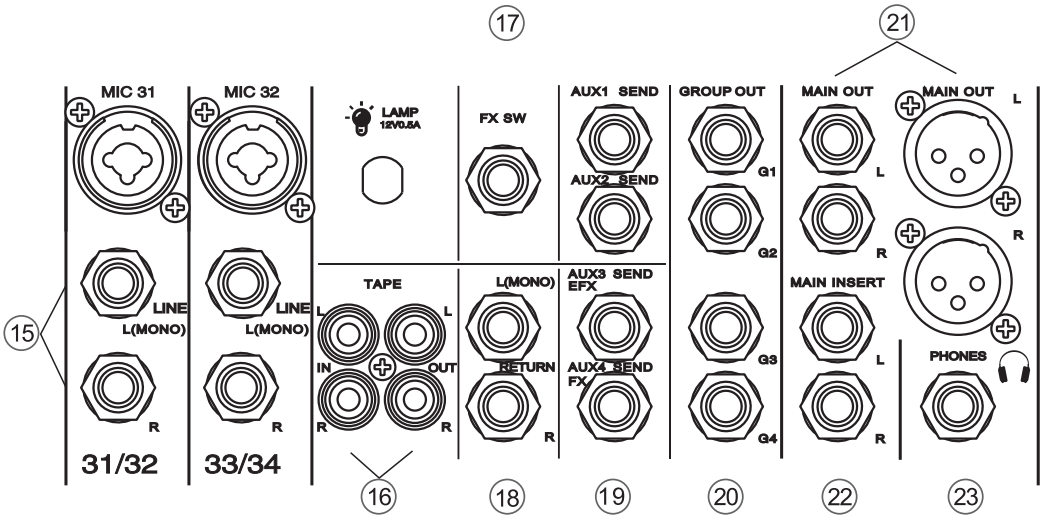
⑪ [SIG] [pk]信号/过载灯
该指示灯表示输入通道均衡后的信号电平，当有信号输入该通道时SIG指示灯亮起，输入信号电平达到削波以下3dB时PK灯亮起。

⑫ [SOLO]监听按键
该按键允许通过连接到CTRL ROOM OUTPUT的扬声器或通过连接到耳机输出来监听该通道上的信号。

⑬ [MAIN][G1/2][G3/4]
MAIN按键决定了是否发送改通道信号给主输出通道，G1/2和G3/4按键决定了是否发送该通道信号给对应的编组。

⑭ [推子]
通道推子，用来调节通道的信号水平，控制范围（-∞至+10dB，最佳位置为0dB）。





⑮ [立体声输入]
立体声线路输入设计1/4" TRS平衡或1/4" TS非平衡信号。如果您连接的是单声道源，请使用左（单声道）输入，单声道信号将出现在主混音的两侧。

⑯ [TAPE IN/OUT]
录音输入使用非平衡RCA接口（TAPE IN）连接立体声线路信号，（TAPE OUT）非平衡RCA接口去捕捉所有的信号到录音设备，这个信号是主通道混音，在总输出插入（MAIN INSERT）和主通道推子后。

⑰ [FX SW]脚踏开关插口
脚踏开关从这里连接，用于拨动数字效果开关。

⑱ [立体声返回]
该接口用于接收来自外接设备的立体声信号。

⑲ [AUX SEND]辅助发送接口
这些1/4 "TRS输出接口提供平衡或者非平衡的线路信号，这些信号是为了连接效果器或者舞台监听的功放。

[GROUP OUT]编组输出
⑳ 编组输出具有1/4" TRS平衡插孔，并提供来自编组的输出信号，输出电平由组电平推子调节。

[MAIN OUT]
㉑ 左/右输出具有2个1/4" TRS Z平衡插孔和2个全平衡XLR输出，1/4" 输出可与（TRS）平衡或（TS）非平衡连接器一起使用，输出电平由主电平推子设置，2个输出可同时使用。

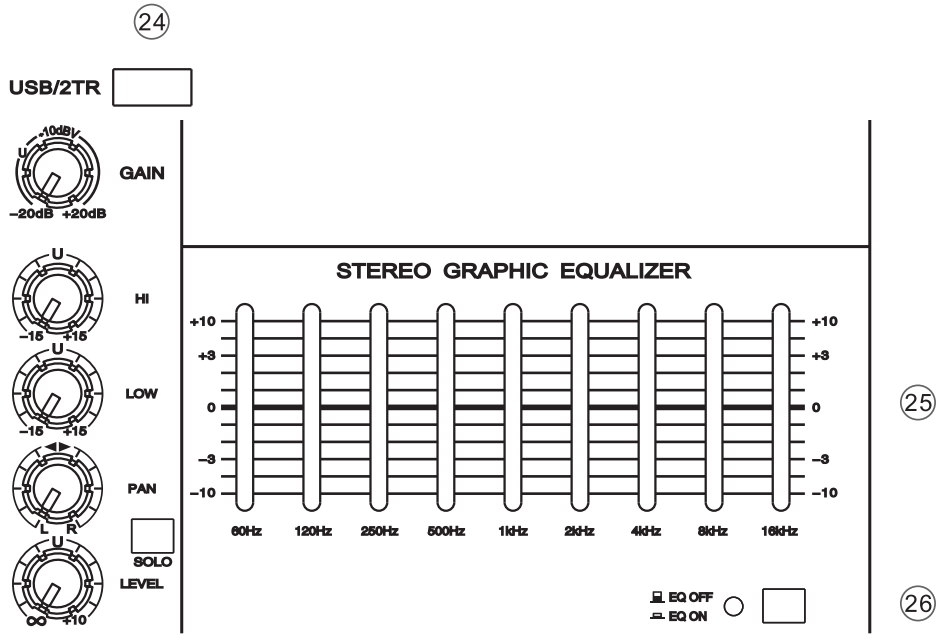
[MAIN INSERT]主输出插入
㉒ 主输出1/4 "插孔是用来连接一系列效果，例如压线器、均衡器，这个插入点是在MIX放大器后，在主混音推子前。

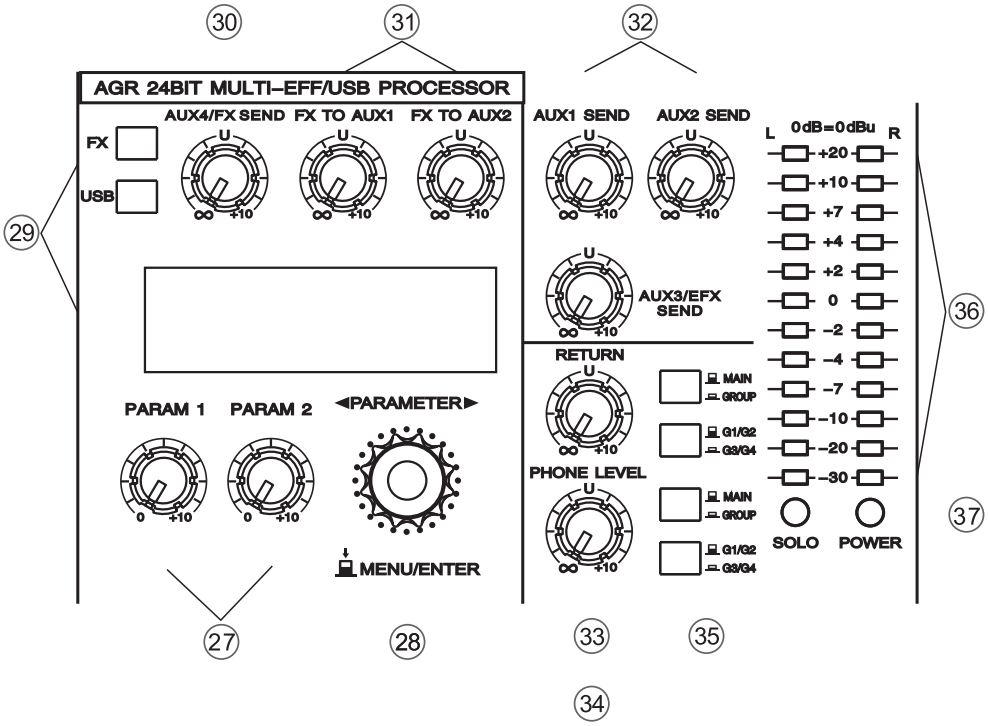
[PHONES]耳机监听
㉓ 1/4 "立体声耳机监听插孔，通道音量由PHONE旋钮控制。

[USB接口]
㉔ 此端口连接U盘使用，可进行播放和录音；该信号可送至主输出或者监听室。

[立体声图示均衡器]
㉕ 9段均衡器调节主混音输出，影响线路的电平输出，每个滑块调整其频段的电平，可提高或衰减10dB，中心位置没有电平变化，频段有60Hz、120Hz、250Hz、500Hz、1KHz、2KHz、4KHz、8KHz、16KHz。

[EQ OFF/EQ ON]均衡开关
㉖ 使用此开关可迅速启用或关闭均衡器。





27 【PARAM1/PARAM2】

效果器微调旋钮。

28 【PARAMETER】

效果器和USB菜单操作旋钮。

旋转旋钮调整需要的效果种类，按下旋钮选中当前效果，效果种类如下：

01.VOCALHALL 声乐厅	07.EARLY REF 早反射	13.DELAYLONG 长延时	19.FLANGER 法兰格
02.HALL 大厅	08.S ROOM 小房	14.PING PONG 兵乓	20.DELAY+CHORUS 合唱回响
03.DRUMHALL 鼓乐厅	09.SPRING 单管	15.ECHO 回声	21.REV+CHORUS 合唱混响
04.AMBIENCE 氛围	10.GATED 门限混响	16.TREMOLO 额音	22.KTV 卡拉OK效果
05.ROOM 房间	11.STDELAY 立体声延时	17.CHORUS 合唱	23.DELAY+HALL 大厅延时
06.PLATE REV 金属	12.DELAY 延时	18.PHASER 移相	24.DISTORTION 失真

29 显示屏+USB/FX控制开关

A. 开机时默认进入效果模式。

B. 通过USB按键切换到MP3播放器模式。

C. 进入MP3模式后通过继续按USB按键切换USB。

USB播放/录音/播放录音/无线连接四种模式，未选中时字体为闪烁状态；通过按下[PARAMETER]旋钮选中后进入具体模式。

D. 在正常播放/录音时，按下[PARAMETER]旋钮切换播放和暂停状态，长按该旋钮进入停止状态，会有闪烁箭头指示到上次调节位置。

E. 正常播放时，旋转[PARAMETER]旋钮可选择要播放的歌曲文件，按下该旋钮确认选中，在播放录音文件时，左右旋转可以对上一首/下一首进行切换。
F. 长按USB按键，可对“ALL”（全部）、“RDM”（随机）、“ONE”（单曲循环）三种播放模式进行切换。
G. 选择录音模式（RECORDER）后，按动[PARAMETER]旋钮确认，再次按动开始录音，录音完毕后按动该旋钮暂停录音，再次按动停止录音；按动USB按键播放录音模式进行录音播放。
H. 按动[FX]按键进入效果模式后，可以通过【PARAM1/PARAM2】旋钮调节效果参数；通过旋转[PARAMETER]旋钮旋转效果类型，按下该旋钮选中当前效果。
I. 无线连接（第一次需要配对）：按动USB按键切换到无线连接模式，搜索名称为“BT-Audio”的可用设备并连接，连接成功后可以通过[PARAMETER]旋钮进行“暂停、播放、上一曲、下一曲”操作，长按该按键进行无线断开、连接操作。

30 **【AUX4/FX SEND】**
AUX4辅助发送电平控制旋钮以及效果发送电平控制旋钮。

31 **【FX TO AUX1-2】**
此发送允许将FX返回通道中的信号路由到AUX1-2发送。

32 **【AUX1-3 SEND】**
AUX1-2辅助发送电平控制旋钮，AUX3辅助发送电平控制旋钮以及控制从EFX输出发出的信号的总体水平，这种通常被用于控制连接外部效果器的信号音量。

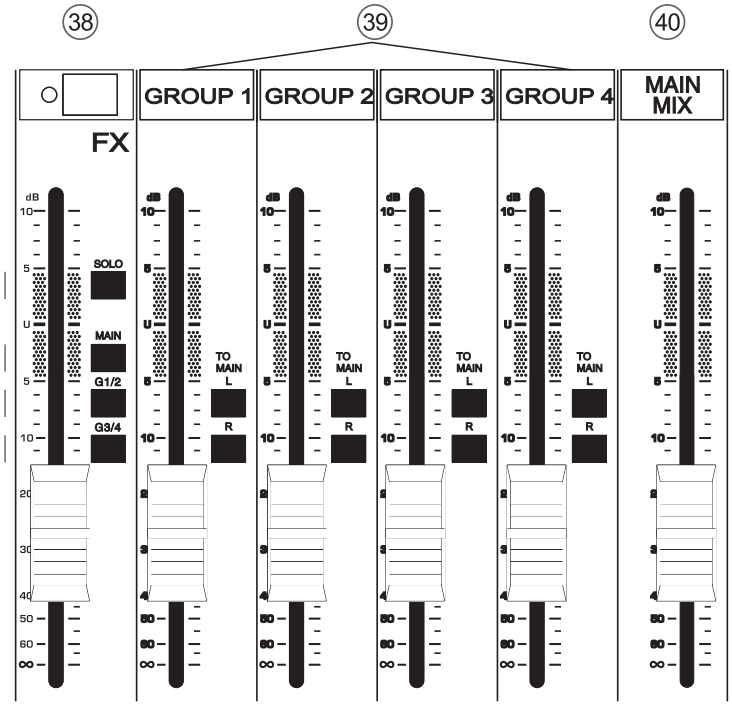
33 **【RETURN】**
外接设备信号经“RETURN”插口输入，经过此旋钮控制电平输入量返回到主音量输出或者编组输出。

34 **【PHONE LEVEL】**
耳机监听音量旋钮，该旋钮控制耳机输出电平；设置耳机音量电平，请在连接和佩戴耳机之前将音量控制到最小以免听力失利。

35 **【分配按键】**
“MAIN/GROUP”按键，弹起信号分配到主扩输出，按下分配到编组输出；“G1/G2、G3/G4”按键，弹起信号分配到编组1和编组2，按下信号分配到编组3和编组4。

36 **【电平指示灯】**
两列电平表，每列12个灯，使用范围为-30dB-20dB。

37 **【SOLO/POWER】**
SOLO监听指示灯，当通道SOLO按键有按下时此灯常亮；POWER电源指示灯，接通电源调音台开机的情况下次等常亮。



38 【效果推子】

该推子控制来自内部DSP效果器的信号电平；静音按钮当按下时，禁止信号流向输出总线或主通道混音路径；SOLO按钮允许当前通道的信号由CTRLROOM和PHONESOUTPUT监听；MAIN按钮允许效果信号发送到主通道进行混音；1/2、3/4按钮允许效果信号发送到立体声总线BUS1/2和BUS3/4。

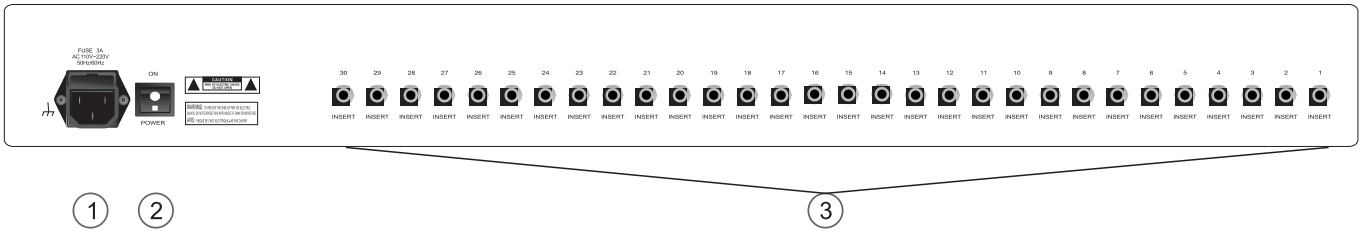
39 【GTOUP1-4】

推子GROUP 1-4 控制立体声总线输出的电平，可以由每个输入通道馈送，以创建路由到物理GROUP OUTPUTS的立体声音频组。按下MUTE 按钮时，会禁止信号流向GTOUP输出或主混音路径。靠近GROUP推子的MAIN L/R按钮将GROUP路由到MAIN MIX。

40 【MAIN MIX】

主混音推子，控制MAIN MIX电平。

背板介绍



① **【电源插座】**
将电源线连接到此插座并正确连接到**220V接地交流电源**。

② **【电源开关】**
通过此开关打开或关闭调音台电源。

③ **【单通道INSERT】**
运行单通道时，这些1/4”插口可以连接一系列效果设备，例如：压缩器、均衡器等；插入点在增益低切后，在EQ和推子前输出是低阻抗，返回是高阻抗；除了作用为连接外部设备以外，也可以用作通道的直接输出，这是经过增益和低切，没有经过均衡器的直接输出。

■ 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，使用本产品前，请仔细阅读并遵守以下事项：

1.使用产品时请确认所连设备与本产品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；

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2. 保修期限制：购买之日起十二个月内。
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6. 以上保修条款仅限于中国市场适用（不包含港澳台地区）。

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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

PREFACE

Dear Customer,

Thank you for purchasing Takstar XR-3400FX Analog Mixer. In order to better understand and use the product, please read this manual carefully.

If you have any questions or suggestions, please contact our local dealer.

FEATURES

- 32 Balanced XLR Mic Inputs + 2 TRS Stereo Inputs, separate PAN control on each input channel.
- Stereo AUX Return Input + USB-A 2.0 Data Interface + Wireless Connectivity, for convenient USB playback and connection with external devices.
- 30CH Separate Compressors + 32CH +48V Phantom Power support, with mute function on each channel.
- Main Output has a 9-band Graphic Equalizer; each channel is equipped with a 4-band EQ, allowing you to fine-tune high, mid-high, mid-low, and low frequencies.
- Bus signal assign buttons such as Main Channel L/R, Group 1-4 Output, and PFL Solo switches.
- Each channel has: 4 auxiliary sends; AUX1 and AUX2 with PRE/POST switches; AUX3 level and EFX Send overall level control knob (usually EFX from external effector); AUX4 level and FX Send level control knob; both AUX3 and AUX4 are post-fader.
- With FX Send function, RCA Input, REC Output, and Monitor and Headphone Outputs.
- Built-in 24-bit DSP for audio effect tuning on the fly to suit any environment or performance.
- Featuring dual 12-segment LED level indicators, PAN sound imaging control, mute switches, and signal distortion LED.
- Compact, multifunctional mixer with digital display and 60mm high-precision fader for intuitive parameter control.

APPLICATIONS

Commercial performances, large gatherings, outdoor occasions

■ PACKING LIST

Analog Mixer.....1PC.

Power Cord.....1PC.

User Manual .....1PC.

■ SPECIFICATIONS

Main Mix Noise

20Hz-20kHz bandwidth, 1/4" main output, channel gain, channel equalization plain, all channels sent to the main mix, right channel panning turned off on odd channel.
Main mix fader channel down: -85dBu
90dB SNR, reference +4dBu
Main mix fader channel fader: -85dBu

THD

(1kHz 35dB gain, 20Hz-20kHz bandwidth)
Mic insertion: <0.05%

Attenuation (Crosstalk)

(1kHz relative to 0dBu, 20Hz-20kHz bandwidth, Line in, 1/4” ± Gain@unity.)
Active channel mute switch: -70 dBu
Channel gain button minimum: -70 dBu

Frequency Response

Mic input to any output
20Hz to 40kHz：+0dB/-1dB
20Hz to 60kHz：+0dB/-2dB

EIN = Equivalent Input Noise

Mic input to send output, maximum gain limit.
150 ohm terminated: -129.5dBu 20Hz-20kHz

Common Mode Rejection Ratio = CMRR

Mic input to send output, maximum gain limit.
1kHz: better than-70dB

Maximum Level

Mic input: +20dBu
Other input: +20dBu
Main mix TRS output and XLR output: +28dBu
Other input +20dBu

Impedance

Mic input: 2.5kilohms
Channel input return: 2.5kilohms
Other input: 10kilohms or greater
Recording output: 1.1kilohms
Other output: 120ohms

3-band EQ

High ±15db@12kHz
Mid ±15db@2.5kHz
Low ±15db@400Hz
Low cut ±15db@80Hz

Power Consumption

110VAC, 50/60Hz, 25-65 watts
220VAC, 50/60Hz, 25-65 watts

Fuse Consumption

100-120VAC 3A Slo Blo, 5*20mm
220-240VAC 1A Slo Blo, 5*20mm

Dimensions

1070*485*120mm

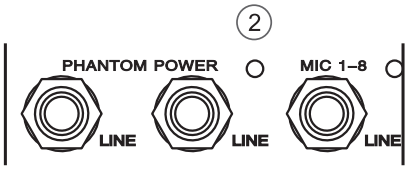
Weight

16.2KG

Note: The above data are measured by Takstar laboratory which has the final interpretation right!

■ DESCRIPTIONS

Front Panel



① MIC IN

This XLR balanced mic preamp input supports sources with a gain range of 0 dB to -50 dB.

② PHANTOM POWER SWITCH & LED

This switch applies +48 VDC to the input XLR connector to power mics that require phantom power. If using phantom power, do not connect unbalanced dynamic mics or other XLR input devices that cannot handle this voltage.

③ LINE IN

This jack is 1/4" balanced (TRS) high impedance input. The core is positive and used for unbalanced input. MIC IN and LINE IN should not be used at the same time.

④ GAIN

This knob controls the input signal sensitivity of the channel; ranged 0-50dB if it is mic XLR input; ranged -20dB-+30dB if it is line TRS input.

⑤ LOW CUT

This can cut away frequencies below 100Hz within the input sound signal. It can be used in places where the ambient sound conditions are not ideal, and where there are low-frequency humming noise and echoes.

⑥ COMPRESSOR

Adjusts the amount of compression applied to the channel. As you rotate the knob to the right, the compression ratio will increase and the output gain will be automatically adjusted accordingly. This results in a smoother, more even dynamics, due to the attenuation of the more dynamic signals when the overall level is boosted. The COMP LED will illuminate when the compressor is running.
Note: Avoid setting compression too high since higher average output levels will cause feedback.

⑦ EQ

HIGH FREQUENCY

Can boost or attenuate the channel signal around 12KHz; ranged -15dB～+15dB.

MID HIGH FREQUENCY

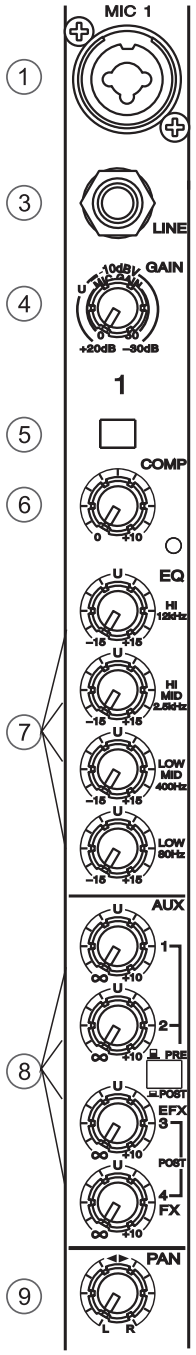
Can boost or attenuate the channel signal around 2.5KHz; ranged -15dB～+15dB.

MID LOW FREQUENCY

Can boost or attenuate the channel signal around 400Hz; ranged -15dB～+15dB.

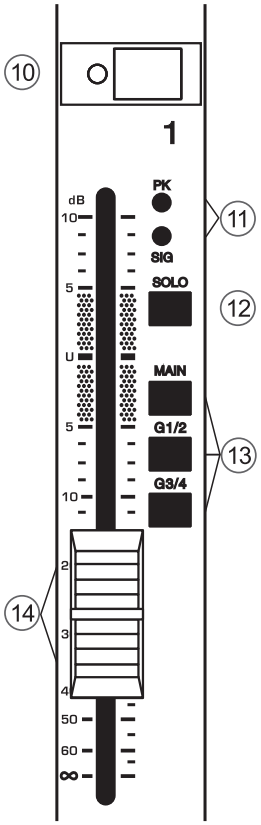
LOW FREQUENCY

Can boost or attenuate the channel signal around 80Hz; ranged -15dB～+15dB.



⑧ **AUX1-4 SEND**
Each channel of the XR-3400FX mixer offers 4 aux sends; AUX1 and AUX2 are pre or post-fader sends, depending on the position of the PRE/POST button. AUX3 and AUX4 are post-fader sends.

⑨ **PAN**
This control determines the signal position of the assigned L/R channel and group 1/2 and 3/4 bus. Turning the knob counterclockwise increases the amount of signal sent to the left channel and odd group; while turning it clockwise increases the amount of signal sent to the right channel and even group. For example, when the bus assign switch (13) is in the 1/2 position, turning the knob counterclockwise will increase the amount of signal sent to Group 1, and turning it clockwise will increase the amount sent to Group 2. Equal amount is sent to each group if rotated to the middle.



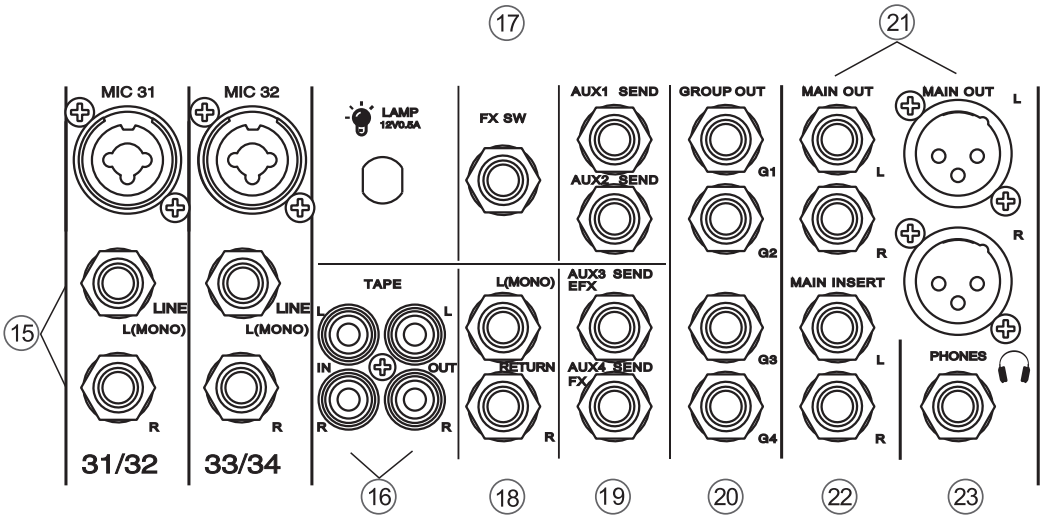
⑩ **MUTE SWITCH/LED**
Pressing this switch will mute the signal sent to the main mix, aux sends, and FX effects, illuminating red when active. The mute switch does not affect the signal sent to the solo system.

⑪ **SIGNAL & PEAK LEDS**
These LEDs indicate the signal level of the input channel after EQ. SIG LED illuminates when there is signal input to the channel, and PK LED illuminates when the input signal level reaches 3dB below clipping.

⑫ **SOLO MONITOR**
This button allows monitoring of the signal on this channel through a speaker connected to the CTRL ROOM OUTPUT or a headphone connected to the PHONES OUTPUT.

⑬ **MAIN & G1/2 & G3/4**
The MAIN button determines whether to send the channel signal to the main output channel, and the G1/2 and G3/4 buttons determine whether to send the channel signal to the corresponding group.

⑭ **FADER**
Channel fader, used to adjust the signal level of the channel; the control range is -∞ to +10dB, optimal position at 0dB.



⑮ STEREO INPUT
Stereo line input utilizes 1/4" TRS balanced or 1/4" TS unbalanced signal. If you are connecting a mono source, use the left (mono) input, and the mono signal will appear on both sides of the main mix.

⑯ TAPE IN/OUT
The recording input uses unbalanced RCA interface (TAPE IN) to connect stereo line signal, (TAPE OUT) unbalanced RCA interface to capture all the signals to the recording equipment. This signal is within the main channel mix, after the main output (MAIN INSERT) and the main channel fader.

⑰ FX SW
The footswitch connects from here and is used to toggle the digital effects on and off.

⑱ STEREO RETURN
This jack is used to receive stereo signals from external device.

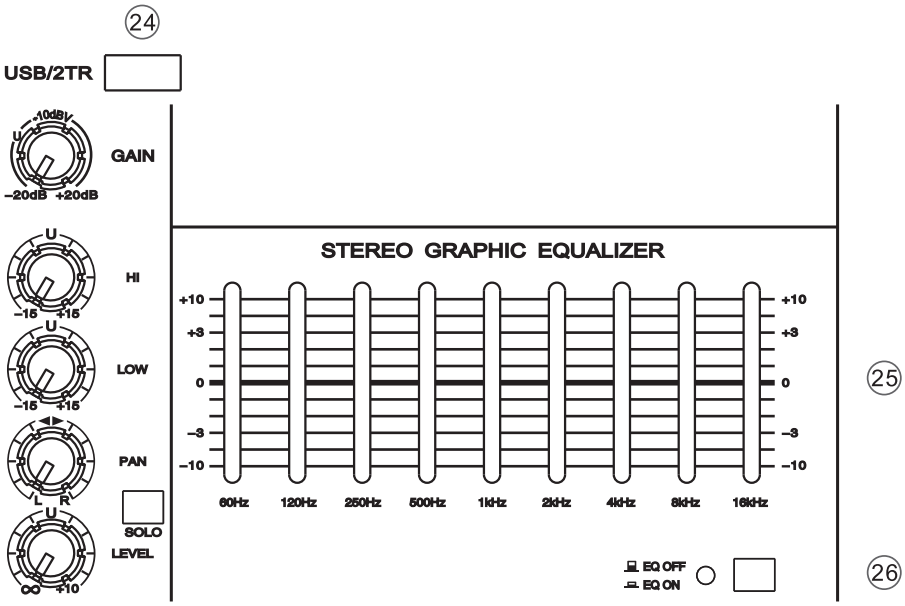
⑲ AUX SEND
These 1/4" TRS outputs provide balanced or unbalanced line signals to connected effectors or power amplifiers for stage monitoring.

⑳ GROUP OUT
Group output features 1/4" TRS balanced jack and provides the output signal from the group, whose output level can be adjusted by the group level fader.

㉑ MAIN OUT
Left/Right outputs have two 1/4" TRS Z balanced jacks and two fully balanced XLR outputs. 1/4" outputs can be used with (TRS) balanced or (TS) unbalanced connectors. Output level is determined by the main level fader. Both outputs can be used at the same time.

㉒ MAIN INSERT
The main output 1/4 "jack is used to connect a series of effectors such as line compressor and equalizer. This insertion point is after the MIX amplifier and before the main mix fader.

㉓ PHONES MONITOR
1/4" stereo headphone monitoring jack, this channel volume is controlled by the PHONE knob.



(24) USB INTERFACE

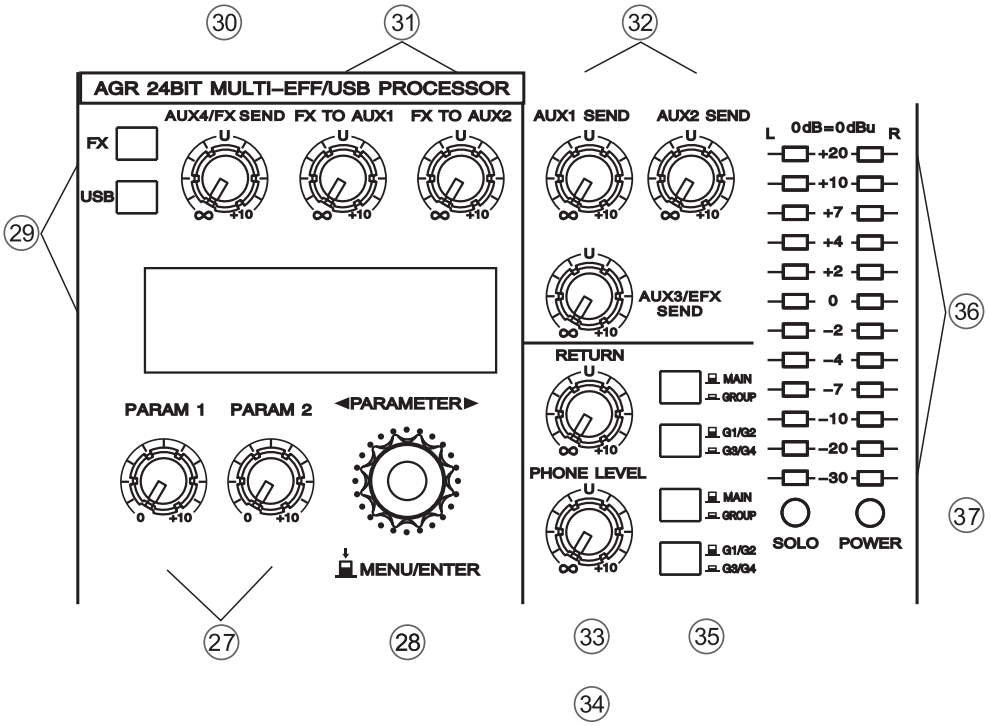
This port can be connected to a USB flash drive for playback and recording; the signal can be sent to the main output or the monitoring/control room.

(25) STEREO GRAPHIC EQ

This 9-band equalizer adjusts the main mix output and affects the line level output. Each slider adjusts the level of its frequency band, which can be boosted or attenuated by 10dB. There is no level change when set to the center position. The frequency bands are 60Hz, 120Hz, 250Hz, 500Hz, 1KHz , 2KHz, 4KHz, 8KHz, and 16KHz.

(26) EQ OFF/EQ ON SWITCH

Use this switch to quickly turn the equalizer on or off.



(27) PARAM1/PARAM2

Knobs for effect fine-tuning.

(28) PARAMETER

Knob for effects and USB menu operation.

Rotate the knob to select the desired effect type out of the following, and press to confirm selection.

01.VOCALHALL	07.EARLY REF	13.DELAYLONG	19.FLANGER
02.HALL	08.S ROOM	14.PING PONG	20.DELAY+CHORUS
03.DRUMHALL	09.SPRING	15.ECHO	21.REV+CHORUS
04.AMBIENCE	10.GATED	16.TREMOLO	22.KTV
05.ROOM	11.STDELAY	17.CHORUS	23.DELAY+HALL
06.PLATE REV	12.DELAY	18.PHASER	24.DISTORTION

29 **DISPLAY + USB/FX CONTROL SWITCH**

a) By default, it enters effect mode when powered on.
b) Switch to MP3 player mode via USB button.
c) After entering MP3 mode, switch USB modes by pressing the USB button. There are four modes: USB playback/recording/recording playback/wireless connection. Items not selected will keep flashing; select and enter a specific mode by pressing the PARAMETER knob.
d) During normal playback/recording, press the PARAMETER knob to play/pause audio, or long press the knob to stop playback, a flashing arrow will show the last adjusted position.
e) During normal playback, rotate the PARAMETER knob to select a song file to play, press the knob to confirm selection, and when playing a recording file, rotate left or right to switch to the previous or next tack.
f) Press and hold the USB button to switch between three playback modes: ALL (all), RDM (random), and ONE (single cycle).
g) After selecting recording mode (RECORDER), press the PARAMETER knob to confirm, then press it again to start recording. Afterwards, press the knob to pause recording, and press it again to stop recording; press the USB button to play the recorded audio.
h) Press the [FX] button to enter effect mode, then you can adjust the effect parameters through the PARAM1/PARAM2 knob; switch the effect type by rotating the PARAMETER knob, and press it to select the current effect.
i) Wireless connection (pairing required upon first use): Press the USB button to switch to wireless connection mode, search for an available device named "BT-Audio" and connect it. Once connected successfully, you can use the PARAMETER knob to pause/play/switch to prev/next track, or long press the button to disconnect or re-connect.

30 **AUX4/FX SEND**

AUX4 auxiliary send level control knob and effect send level control knob.

31 **FX TO AUX1-2**

This send allows the signal in the FX return channel to be routed to the AUX1-2 sends.

32 **AUX1-3 SEND**

AUX1-2 auxiliary send level control knob, AUX3 auxiliary send level and EFX Send overall level control knob, which is usually used to control the signal volume of the external effector.

33 **RETURN**

The external device signal is input through the RETURN jack, and its level input is controlled by this knob to return to the main volume output or group output.

34 **PHONE LEVEL**

Headphone monitoring volume knob, which controls the headphone output level. Please set its volume level to the minimum before connecting and putting on the headphones to avoid hearing impairment.

㉟ ASSIGN BUTTONS

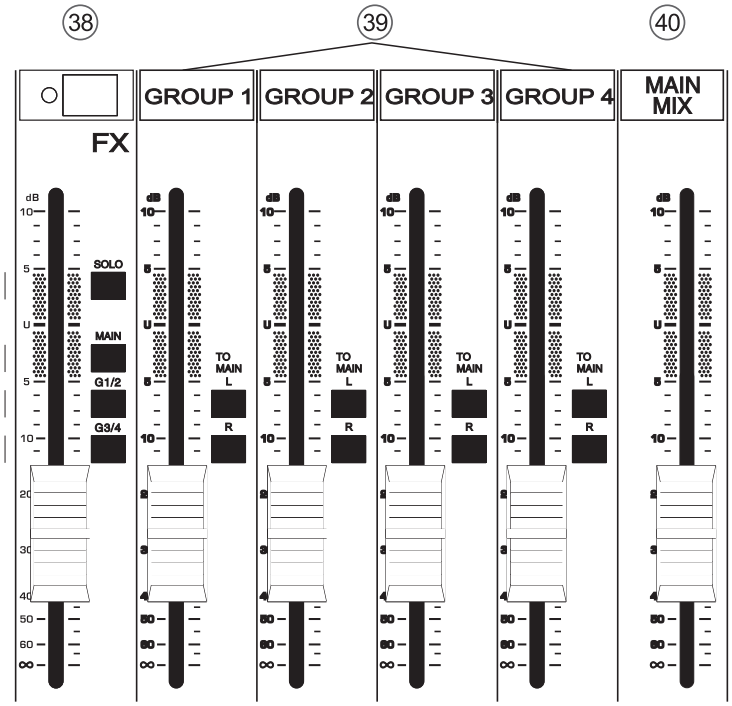
MAIN/GROUP button assigns signal to the main output when released, or to the group output when pressed. Likewise, G1/G2 & G3/G4 button assigns signal to the Group 1&2 when released, or to the Group 3&4 when pressed.

㊱ LEVEL INDICATOR

Two columns of level meters, each column has 12 LEDs and is ranged -30dB-20dB.

㊲ SOLO/POWER

SOLO monitoring indicator light, always on when the channel SOLO button is pressed. POWER indicator light, always on when the mixer power is turned on.



㊳ EFFECT FADER

This fader controls the signal level from the internal DSP effects. The Mute button, when pressed, disables signal flow to the output bus or the main channel mix. The SOLO button allows the current channel's signal to be monitored by CTRLROOM and PHONES OUTPUT. The MAIN button allows effects signal to be sent to the main channel for mixing. The 1/2, 3/4 buttons allow the effect signal to be sent to the stereo buses BUS1/2 and BUS3/4 respectively.

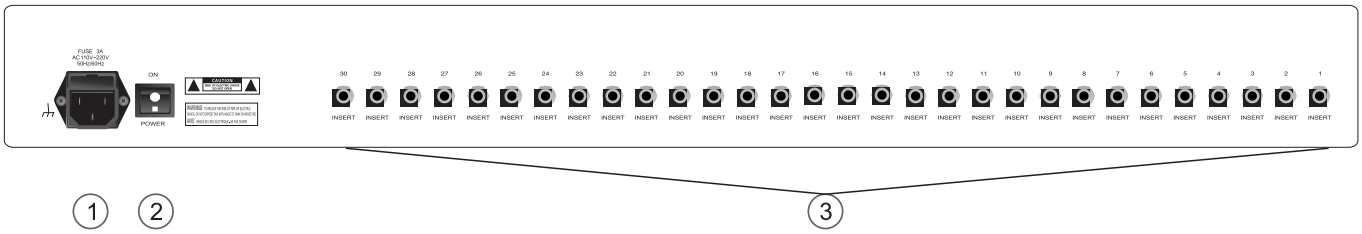
㊴ GROUP 1-4

Faders GROUP 1-4 control the level of the stereo bus outputs, which can be fed by each input channel to create stereo audio groups routed to the physical GROUP OUTPUTS. When the MUTE button is pressed, signal flow to the GROUP output or the main mix is disabled. The MAIN L/R button next to the GROUP fader routes the GROUP to the MAIN MIX.

㊵ MAIN MIX

The main mix fader controls the MAIN MIX level.

Rear Panel



1 **POWER SOCKET**
Connect to a 220V grounded AC power source via the power cord.

2 **POWER SWITCH**
Use this switch to turn the power to the mixer on or off.

3 **SINGLE-CHANNEL INSERT**
When running single channel, these 1/4" jacks can be connected to a series of effect equipment such as compressors and equalizers. The insertion point is after the gain low cut, the output is low impedance before the EQ and fader, and is high impedance through return. In addition to connect external devices, it can also be used as a direct output of the channel, which is a direct output processed after gain and low cut and before EQ.

■ CAUTIONS

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction or hearing impairment.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the dealer for repair.
3. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

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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 YiRd., Longxi Boluo
Huizhou, Guangdong 516121 China
Tel: 86 752 6383644　Fax: 86 752 6383952
Email: sales@takstar.com
Website: www.takstar.com