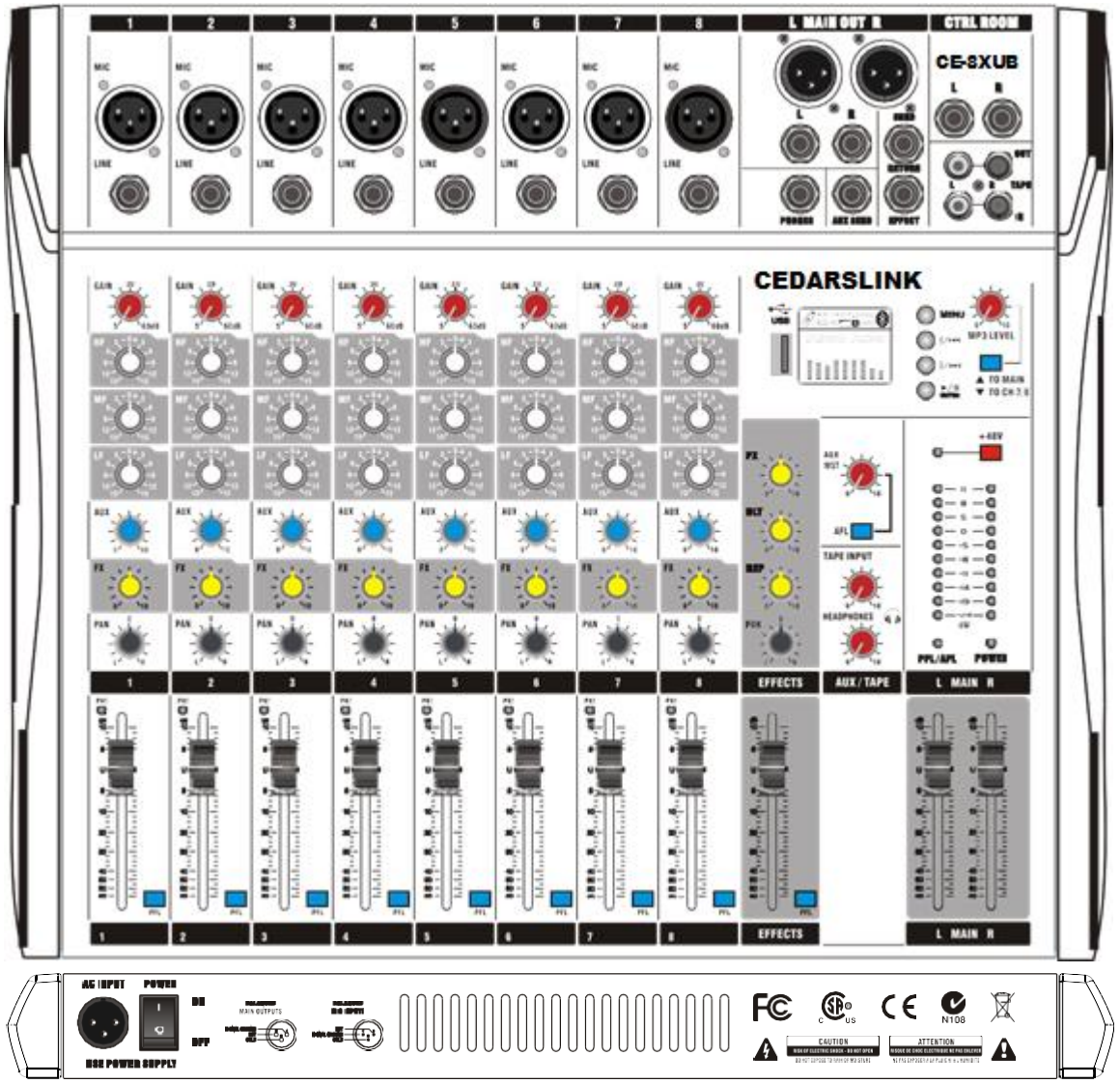
CE-8XUB Mixer



- Cedarslink's CE-8XUB 8 channel frame
- Individual phantom power
- Ultra low noise mix head amp design
- BLUETOOTH & MP3 player/recorder with concise human-machine interactive Interface
- Digital effect processor.

USER'S MANUAL

www.cedarslink.com

Thank you for choosing Cedarslink®, we are the first choice for superior products that will take you to a higher standard. Included is information on installing, connecting and operating the console, panel drawings, system block diagram and technical specification. Be sure to read the specifications and instructions thoroughly. Enjoy Your New System!

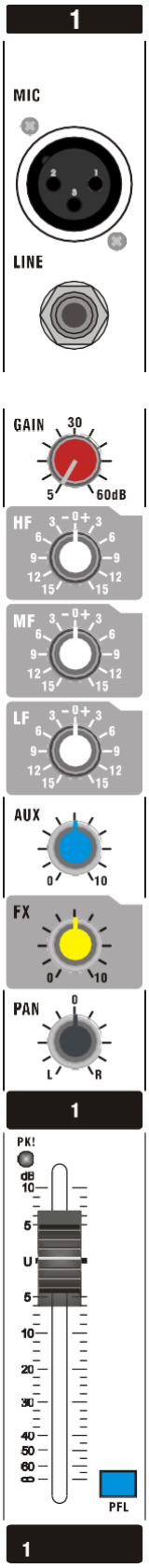
Contents

Introduction:

This is a mixer console for professional audio applications. Whether in a meeting room, live performance, or at a bar, the Cedarslink® CE-8XUB mixer provides the perfect solution to provide simple and convenient connections, and quickly form a sound amplifying system. Our CE-8XUB mixer ensures the highest reliability and finest sonic performance.
Introducing brief functions:

- 8 channel frame
- LR main mix
- 2 Aux sends
- Recording
- Responsive 3 band EQ
- Individual phantom power
- Channel and master meters
- 60mm dust protected faders
- 2-Track monitoring and replay to LR
- Headphones and local monitor outputs
- Dedicated stereo, peak-retaining monitor meters
- Electronically balanced XLR outputs with +26dBu drive capability
- Preamp +34dBu maximum input capability for mic or line
- Ultra low noise mix head amp design
- BLUETOOTH & Mp3 player/recorder with concise human-machine interactive Interface
- Digital effect processor
- Metal jacks, gold-plated XLRs, sealed pots and switches
- External power adapter power supply

The MONO input channel:



MIC/LINE IN XLR AND TRS JACKS

These jacks are used for microphone or line level signals. If you use XLR jack, it can give a massive headroom for the channel's pre-amp with +34dBu maximum Input power. Two inputs are both balanced, but they can handle unbalanced signals when required. MIC XLR jack feeds microphones requiring phantom power such as condensers via 6k8 ohm resistors to provide +48V DC powerto pins 2 and 3.

Warning: When +48V phantom power is selected, do not connect the unbalanced sources or cables to the XLR input. To avoid loud clicking sound, always turn the channel off when switching on or off the +48V power, and when plugging or unplugging cables.

GAIN

Adjusts the input sensitivity to match the connected source to the internal 0dBu operating level of the channel. It provides a variable range of 40dB, from +0 to +40dB gain (MIC), or from -20 to +20dB (LINE, PADDED MIC). In co-ordination with the monitor system and the main level meters, adjust the gain knob for a metering average of "0" for the channel with loudest moment lighting "+6".

Important instructions for the channel's level setting: Use PFL to set the gain control and to determine the correct level of the signals going through each channel. The main LR meters provide high-definition display for the channel's signal level. Use the fader to balance each signal in the mix. To ensure optimum gain structure, we do not recommend the way of mixing by setting the fader to "0" position and using gain control to mix.

EQ

A responsive 3-band EQ (equalizer) provides independent controls for 3 frequency bands. The HIGH and LOW bands are shelving filters, which affect respectively the high frequencies above 12 KHz and the low frequencies below 80 Hz. The MID band is a bell shaped peak/dip filter, which affect the frequencies centering near 2.5KHz.

All frequency bands can increase or decrease up to 15dB, and have a center detent position of 0dB. The overlapping frequency range allows you to deal with the challenging sound source problems with ease when using frequency band combinations.

AUX send

These rotary controls adjust howmuch channel signal will be mixed to the aux out.

FX send

When you want to get echo effect of each channel, you can adjust the level of installed echo by this.

PAN

This has a function which distributes the signal level between left and right channels to

PEAK!

This is the lamp which indicates the input signal level of this appliance (regardless of output) when GAIN volume level is adjusted.`

FADER

These are used for adjusting the volume of signal sources, which are connected to the relevant channels.

PFL

You can monitor the signal of the only channel on which PFL switch is turned "ON" through the headphone (In this time, the other channels Are automatically out off.)

Effects channel

EFFECTS SENDS SIGNAL MAIN CONTROL (FX)
Adjusts the total volume of the effect sends bus signals sent to the console's internal effects processor and output.

DELAY TIME SPAN OF THE EFFECTS PROCESSOR (DELAY)
Adjusts the length of the time span between each echo in the effector to simulate the reverb effects of spaces of different sizes.

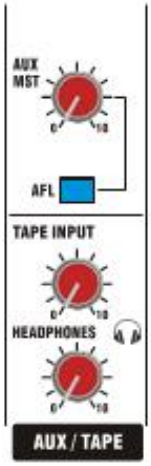
REPEATS
Adjusts the times and depth of the echoes of the effector.

PAN
This has a function which distributes the signal level between left and right channels to make a stereo sound effect.

PFL
When you want to monitor echo sound & external effector sound, you can adjust this control through the headphone.

EFFECTS FADE
These are used for adjusting the volume of signal sources, which are connected to the relevant channels.

AUX / TAPE / PHONES



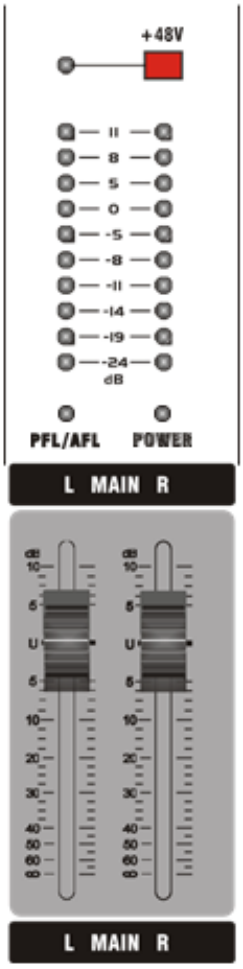
AUX SEND
Adjusts the volume from the output jack of the AUX SEND channel in order to match the external devices. .

AFL
When you want to monitor echo sound & external effector sound, you can adjust this control through the headphone.

TAPE input Level
Adjusts the volume of a 2-track device or CD replay to the main channel L/R .

PHONES LEVEL
Adjusts the volume of the monitor headphone. Use a proper volume to avoid the damage to your hearing.

Main mix & Meter



+48V Phantom Power Switch
+48VDC switch supplies power to the channel's XLR input, providing power for the microphone requiring phantom power or DI-BOX. The power currents are restrictive, providing power to the XLR socket's pin 2 and pin 3 of the mono input channel via 6k8 ohm resistors.

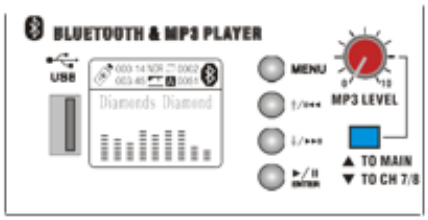
Warning: When selecting phantom power, do not connect unbalanced sources or cables to the input. To avoid big clicking sound, mute the channel when turning on or off the +48V power.

Main Level Meters
In normal condition, it shows the output level of the main mix signals. When any channel's PFL/AFL button is pressed down, it switches to show the signal level of that channel.

Working Condition Indicator
POWER: Power indicator. It lights to show working starts
PFL/AFL: Monitoring condition indicator. When the light turns on, the console is under the monitoring condition, with the main level meters showing the signal level of the monitor channel, and the channel signal is monitored from the headphone monitor output.

FADER: Adjusts the output level of the main mix, providing a normal boost from 0dB to +10dB.

BLUETOOTH & MP3 PLAYER

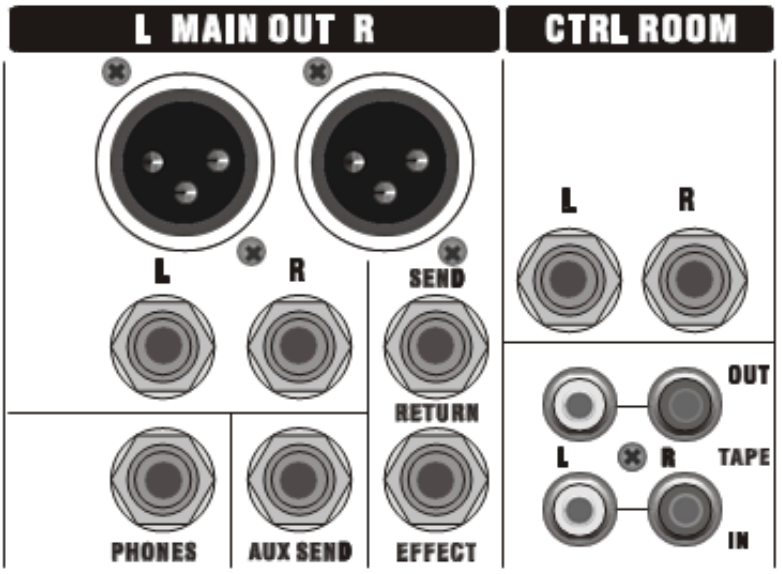


MENU	The main menu key, press lightly to enter the multi-level settings.
↑/⏮	Backward/Last One selection key;
↓/⏭	Fast forward/Next One selection key;
▶/⏸ ENTER	PLAY, PAUSE, and ENTER keys.

MP3 LEVEL
Adjusts the main volume of the playing MP3 player.

PLAYER ROUTE
When the key is up, the MP3 playing signal will go directly to the main channel L/R outputs. When it's down, the signal is sent to the CH 7/8 channel processing. At this time, the CH 7/8 channel input jack cannot be occupied. Thus, the output signal from the MP3 player can go into the CH 7/8 channel for processing and be redirected to various output ends.

Main output sections



L OUT/R OUT
The console's main mix output is XLR & JACK. L and R output usually sends signals to the indoor PA (public address) system for live sound mixing, or to a 2-track recorder for studio mixing.

CTRL ROOM OUT
Unbalanced TRS output is post-level and post monitor-signal. These jacks are used for sending signals to the local speakers or other monitor systems.

PHONES
Unbalanced TRS jack. You can insert a headset, listening on a local monitor output. We recommend that you use closed headphones of 30 to 600 ohm impedance. Please note: Adjust the volume to avoid hearing damage

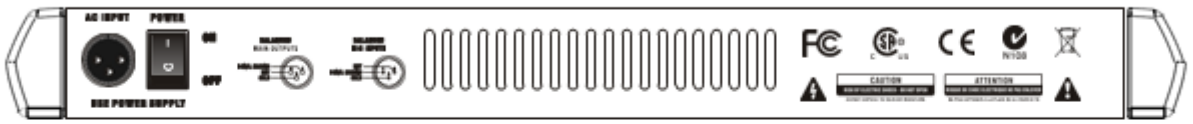
AUX SENDS OUT
Unbalanced TRS jack outputs AUX SEND AUX signals, which is for sending to monitor, effects devices such as echo and delay, and special mixing requirements.

EFFECT SEND
These are to be connected with external digital reverb &effect equipment.

EFFECT RETURN
These are to be connected with external digital reverb &effect equipment.

TAPE IN and OUT
RCA input and output connects popular recording and playing equipment, such as CD, MiniDisc, computer and cassette player. The rated line level is -2dBu. 2-track sends are normally post-fader and after LR mix, regardless of how the setting of mode switching is. 2-track returns can be used for monitoring mono or stereo recording, or serve as a simple input of replay content and backg-round music.

Rear panel function



Power Connection and Power Switch

The pure mixer varieties use external power adaptor for power supply. Before connecting the power, make sure the power voltage of the power adaptor equipped with this console is in conformity with the local electrical voltage. When the power switch of this console is at "off " position, all devices after this console should be at "off " position.

After you plug the power adaptor properly to the power input socket of this console, you should screw the nut going with the plug tightly and firmly. Only use the power adaptors equipped or approved by our company.

Specifications

Maximum input level	MIC +24dBu Line +24dBu Other Line +20dbu
Maximum output level	XLR +26dBu TRS +20dBu
Master meters	10 segment -24dB to CLIP
Channel meters	1 LED signal indication
Frequency response	20Hz to 30KHz 0.5dB
CMRR（MIC 1kHz）	>75dB
THD+N	<0.01% (Channel to mix out)
Crosstalk at 1kHz	Fader shutoff >85dB Mute shutoff >85dB Inter channel >82dB
Noise, rms 22Hz to 22KHz	EIN -122dBu Residual output noise <-90dBu L/R main mix noise <-82dBu Aux mix noise <-82dBu
MONO EQ	LF, shelving, +/-15dB, 12KHz HM, peak/dip, +/-15dB, 2.5KHz LF, shelving, +/-15dB, 80Hz
Mono channel	XLR balanced, pin 2 hot, 2K ohm, Sensitivity -40 to +14 dBu TRS balanced, tip hot, 10K ohm, Sensitivity -20 to+14 dBu XLR, phantom +48V
2-track return	RCA, unbalanced, 4K ohm, -2 dBu
2-track send	RCA, unbalanced, <75 ohm, -2 dBu
L/R output	XLR balanced, pin 2 hot, <75 ohm, +4 dBu, Max.+22 dBu
FX/AUX output	TRS unbalanced, tip hot, <75 ohm, -2 dBu, Max. +18 dBu
Headphones	TRS, tip L, ring R, 30 to 600 ohm headphones recommended
Max. Power input power	40watts

We are committed to continuously improving the quality of our products. Specifications are subject to change without prior notice.

Thank you for using Cedarslink CE-8XUB Mixer

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