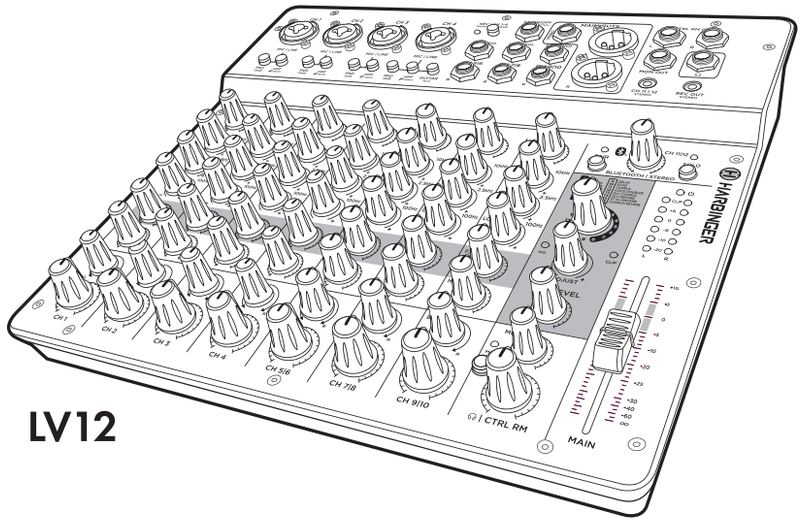
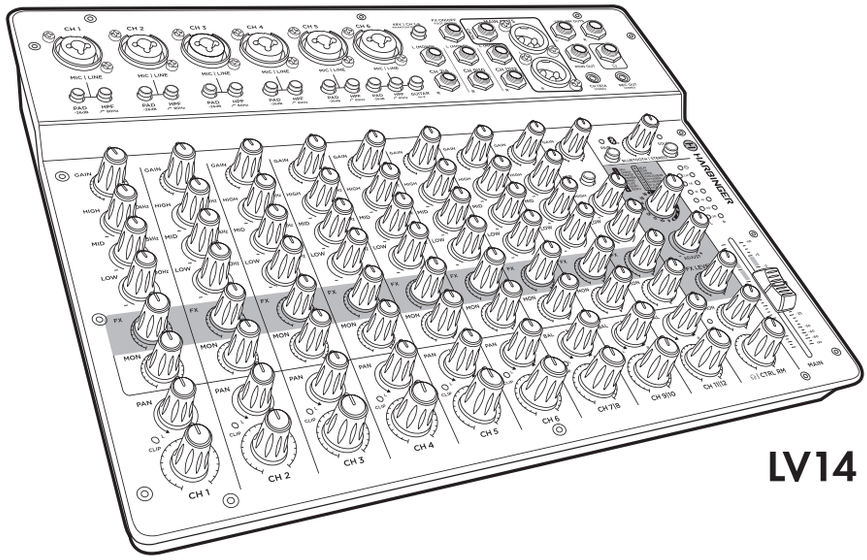
HARBINGER

LV12 & LV14

OWNER'S MANUAL



LV12



LV14

LVL
SERIES

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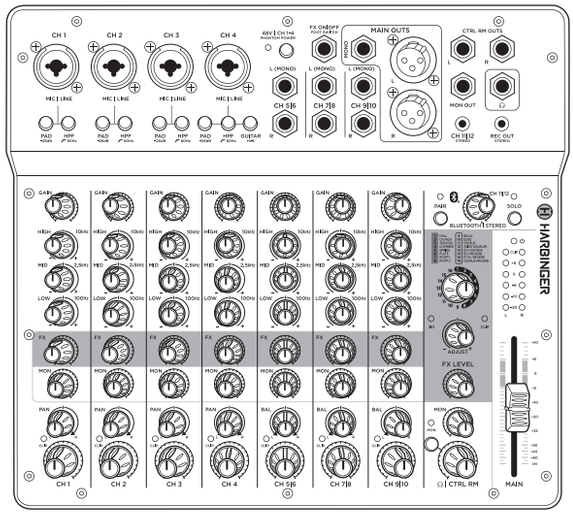
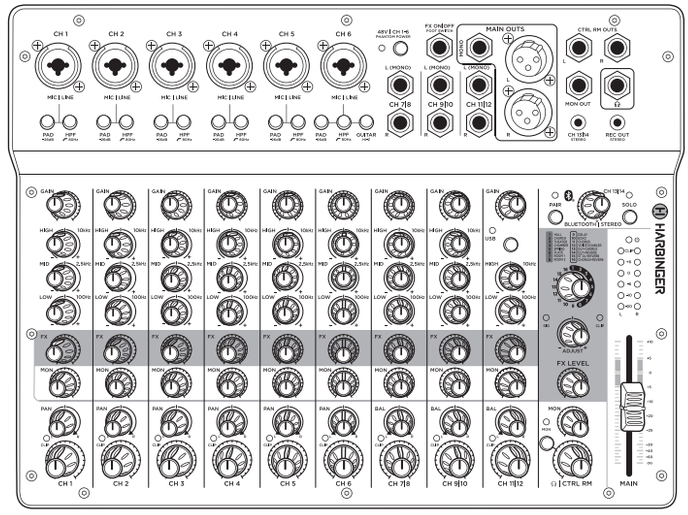




WELCOME

Newly designed Harbinger LVL Series mixers offer premium-grade connection points, professional-level audio performance and convenient Bluetooth® wireless audio connectivity. 4 available models cover everything from solo performances to full-band mixing, live and in studio, with our LV12 and flagship LV14 that include USB recording and playback

LV12 - Compact 12-channel mixer with Bluetooth, 4 phantom power-capable microphone preamps and digital FX

- Bluetooth® audio input with push-button Solo feature
- 4 High-headroom, low-noise microphone preamps
- Guitar input with Hi-Z switch for optimized impedance
- Built-in digital FX with Parameter Adjust for fine-tuning of FX presets
- 1/4" Monitor Output
- 48V Phantom Power for condenser microphones
- 4 XLR 1/4" combo inputs support a wide range of sources
- –26dB Pads and 80Hz High-Pass Filters minimize clipping and low-frequency rumble
- XLR Main Outputs for connecting to pro-standard equipment
- 3-Band EQ for detailed tone adjustment
- Stereo ¼" Control Room Outputs
- 1/8" Stereo Input and Record Output for connecting to mobile devices
- 1/4" Headphone Output

LV14 - Compact 14-channel mixer with Bluetooth, 6 phantom power-capable microphone preamps, digital FX and USB Audio

- Bluetooth® audio input with push-button Solo feature
- 6 High-headroom, low-noise microphone preamps
- Guitar input with Hi-Z switch for optimized impedance
- Built-in digital FX with Parameter Adjust for fine-tuning of FX presets
- 1/4" Monitor Output
- 48V Phantom Power for condenser microphones
- 6 XLR 1/4" combo inputs support a wide range of sources
- –26dB Pads and 80Hz High-Pass Filters minimize clipping and low-frequency rumble
- XLR Main Outputs for connecting to pro-standard equipment
- 3-Band EQ for detailed tone adjustment
- USB audio connectivity for recording or playing tracks from PC
- Stereo ¼" Control Room Outputs
- 1/8" Stereo Input and Record Output for connecting to mobile devices
- 1/4" Headphone Output

QUICK START GUIDE: LVLV12 & LV14

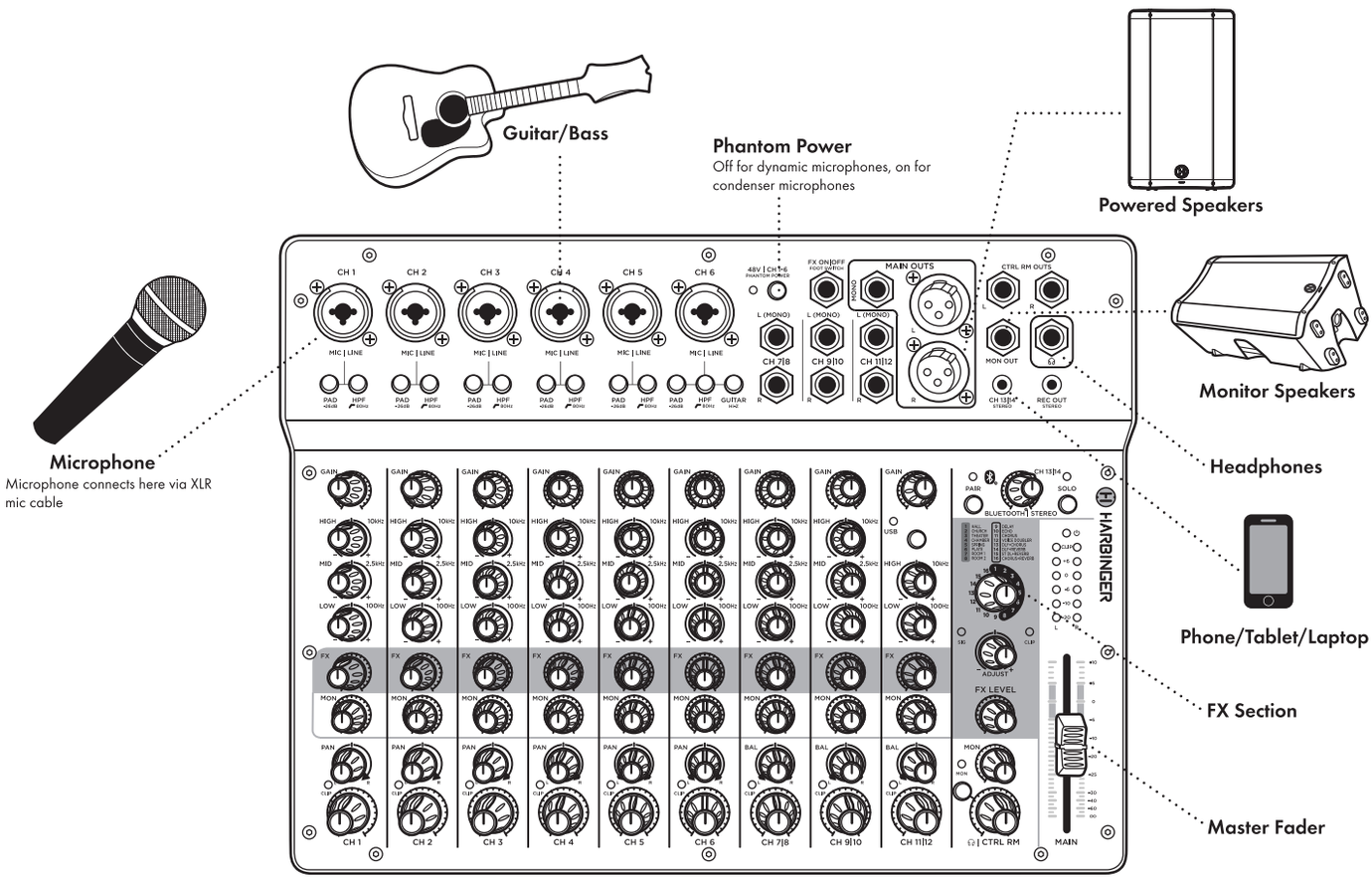
SETTING UP / HELPFUL TIPS

- Make sure the power switch is set to the off position
- Plug the included power supply into an AC power outlet and into the power input on the rear panel of the mixer
- Now set the power switch to the on position

INPUT CONNECTIONS

Choose any combination of the following sources:

- **MICROPHONE -** Connect a microphone to an XLR combo input jack via XLR or 1/4" cable
- **PHONE/TABLET/LAPTOP -** Connect a tablet, phone or laptop to the CH 11 | 12 STEREO input jack (LV12) or CH 13 | 14 STEREO input jack (LV14) via stereo 3.5 mm TRS cable
- **GUITAR/BASS -** Connect a guitar or bass with a passive pickup to the CH 4 input (LV12) or CH 6 input (LV14) via standard 1/4" guitar cable and press the GUITAR Hi-Z button



CHECK KNOBS AND SWITCHES

- Turn all white-capped level knobs to the minimum (full counter-clockwise) position and the MAIN fader to the minimum (down-most position). These are the CH 1 - CH 9|10 GAIN and CTRL RM level controls as well as the MAIN level fader.
- Turn all grey-capped and blue-capped knobs to the 12 o'clock position. These are the PAN, BAL and EQ controls
- Turn all green-capped level knobs to the minimum (full counter-clockwise) position. These are the FX and MON level send controls.
- All buttons should be in the up position. The white bottom edge of the button will be clearly visible and 48V and SOLO LEDs should be off.

OUTPUT CONNECTIONS

- **HEADPHONES –** Connect a pair of headphones to the mixer's 1/4" headphone jack
- **POWERED SPEAKERS –** Connect the MAIN OUTS on the LV12 or LV14 to a pair of powered speakers via XLR cable
- **MONITOR SPEAKERS –** Connect the MON OUT on the LV12 or LV14 to a monitor speaker via a ¼" TRS cable

POWERING UP

- Power on any devices connected to input jacks
- Power on the LV12 or LV14
- Power on the powered speakers connected to the LV12 or LV14's MAIN OUTS

SETTING LEVELS

- **MICROPHONE –** If you have connected a condenser microphone, press the 48V switch (the 48V LED will come on). If you have connected a dynamic microphone, the 48V switch should be in the off position with the 48V LED off. If you experience too much "boominess" or bass in the microphone signal, set the 80Hz HPF button to the on position. While speaking or singing into the connected microphone, slowly bring up the channel 1 GAIN control until only the loudest input briefly triggers the channel 1 CLIP indicator LED. Reduce the GAIN control slightly from this level. Continue speaking or singing into the connected microphone and slowly bring up the CH 1 level control to the 12 o'clock position, then slowly bring up the MAIN fader level control until a comfortable listening level is achieved.
- **PHONE/TABLET/LAPTOP –** Press play on the connected audio player and increase the player's internal volume control to maximum level. Slowly bring up the BLUETOOTH level control to the 12 o'clock position, then, slowly bring up the MAIN level control until a comfortable listening level is achieved.
- **GUITAR –** Make sure the channel 4 (LV12) or channel 6 (LV14) GUITAR HI-Z switch is set to the on position. While strumming the guitar, slowly bring up the MAIN level control until a comfortable listening level is achieved.
- **POWERED SPEAKERS –** To monitor through powered speakers, slowly bring up the MAIN fader level control until a comfortable listening level is achieved
- **MONITOR SPEAKERS –** To monitor through a powered stage monitor or powered speaker connected to the MON OUT, slowly turn up (clockwise) the MON level knob in the lower right corner of the LV12 or LV14 to the 12 o' clock position and then turn up the MON send level on the channel you wish to send to the connected monitor speaker.
- **HEADPHONES –** Since the headphone level control is independent from the MAIN level control, first ensure that the channel level controls are set so that ample signal is feeding the main and headphone buses. The meters should show between +3 and +5 dB with the MAIN level control at the 12 o'clock position. When this is accomplished, slowly bring up the headphone level control until a comfortable listening level is achieved.

BLUETOOTH® AUDIO INPUT

The mixer powers up with Bluetooth off. Press the PAIR button to initialize Bluetooth and activate pairing (the PAIR LED will flash, indicating that it is ready to pair). The LV12 or LV14 will automatically reconnect to the previous Bluetooth audio source if it is available, and will otherwise be available for Bluetooth pairing from a source audio device such as a smartphone.

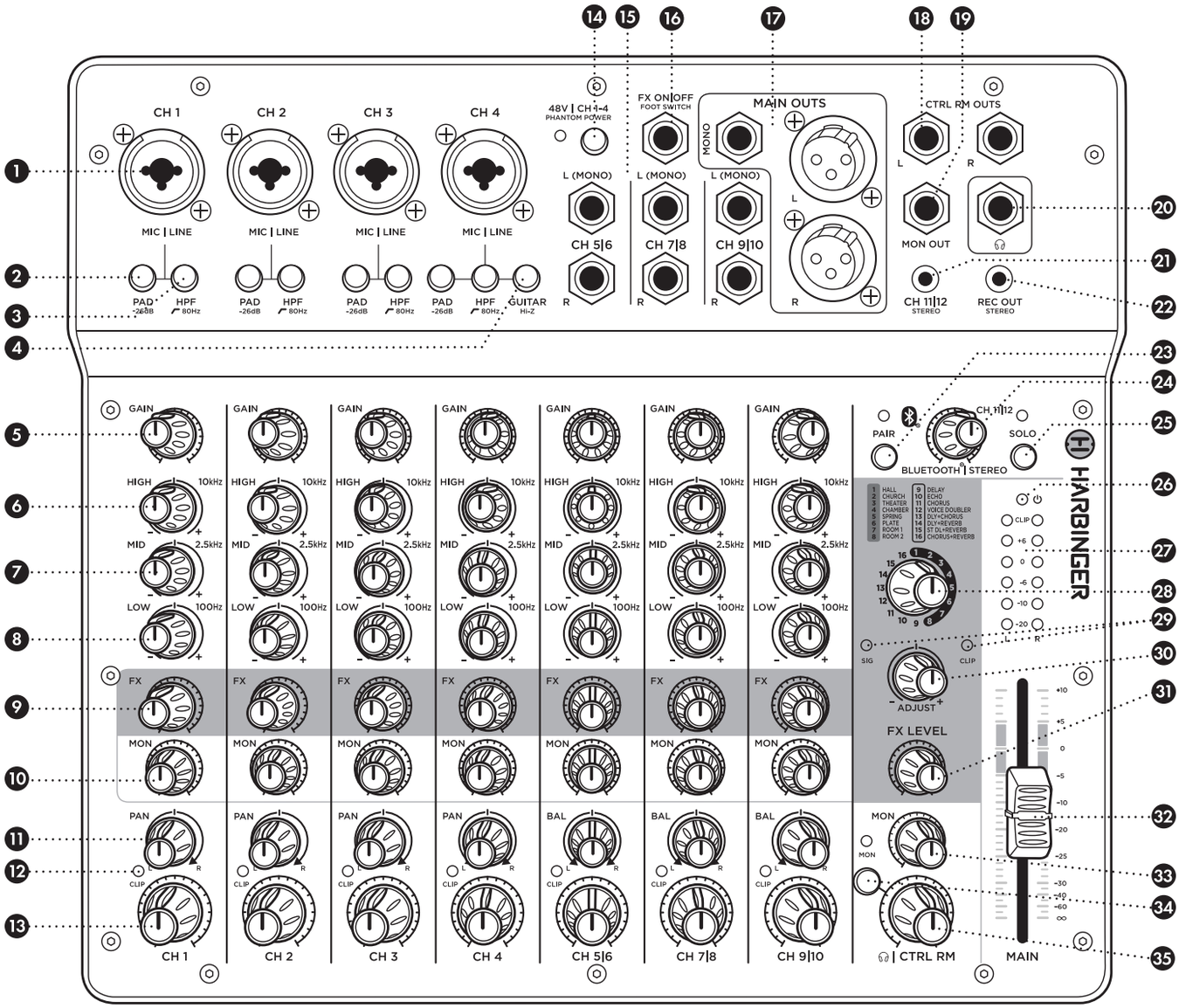
If connecting for the first time, look for and select "Harbinger Mixer" on your Bluetooth audio source device.

The PAIR LED is lit solid when currently paired, blinking when available for pairing, and off if Bluetooth has been disabled by pressing and holding the PAIR button, or when the mixer first powers up.

Pressing the PAIR button when a pairing is active forces any currently connected Bluetooth audio source to disconnect, and makes the mixer available for pairing.

See Bluetooth Troubleshooting section in case of difficulty.

LV12 TOP PANEL



1 MIC / LINE INPUT
An XLR or 1/4" microphone or line level source can be connected here

2 –26 dB PAD BUTTON
Reduces the signal strength of the associated input signal by 26 dB

3 80Hz HIGH-PASS FILTER
Reduces low frequency "rumble" from microphone signals

4 GUITAR HI-Z BUTTON
Changes the impedance on CH4 to optimize passive guitar and bass signals

5 GAIN CONTROL
Adjusts the preamp gain for the associated channel

6 HIGH EQ CONTROL
Boosts or cuts the high frequencies of the associated input signal, at a corner frequency of 10 kHz

7 MID EQ CONTROL
Boosts or cuts the mid frequencies of the associated input signal, at a center frequency of 2.5 kHz

8 LOW EQ CONTROL
Boosts or cuts the low frequencies of the associated input signal, at a corner frequency of 100 Hz

9 FX SEND CONTROL
Controls the relative level of the associated channel being sent to the FX processor

10 MON SEND CONTROL
Controls the relative level of the associated channel being sent to the MON OUT

11 PAN CONTROL
Adjusts positioning of the channel input signal within the stereo sound field

12 CLIP INDICATOR LED
Lights red when the signal level at the preamp stage is too high and causing clipping/distortion

13 CH LEVEL CONTROL
Adjusts the relative level of the associated channel being sent to the MAIN bus

14 48V PHANTOM POWER BUTTON
Activates phantom power, which is required for condenser-type microphones

15 1/4" INPUTS
CH5|6, CH7|8, CH9|10– Connect mono or stereo line-level signals here

16 FX ON|OFF FOOT SWITCH
Connect a ¼" single-button footswitch here to mute/unmute the internal FX. This can be helpful when addressing the audience between songs

17 MAIN OUTPUTS
The signal at this output contains the entire mix of input signals. Connect this output to the inputs of powered speakers, a power amp or recording interface, via XLR cables. If a mono output is desired, connect a 1/4" TRS cable to the MONO OUT jack.

18 CTRL RM OUTPUTS
¼" outputs for feeding control room speakers or studio monitors

19 MON OUTPUT
¼" mono output for feeding floor monitor speakers

20 HEADPHONE OUTPUT
Connect headphones here. This signal is the same as that being sent to the MAIN bus

21 CH 11|12 STEREO INPUT
Connect a phone, tablet, or laptop here, with a stereo 1/8" (3.5 mm) cable. This input is routed to the BLUETOOTH/CH 11|12 channel

22 REC OUT
This signal is taken from the MAIN bus. Connect this output to a recording device with a stereo 1/8" (3.5 mm) input

23 BLUETOOTH PAIR BUTTON
With no actively paired device, pressing this button will activate pairing mode (LED will start blinking)

With a device actively paired (LED lit solidly), pressing this button will cancel the pair and will activate pairing mode (LED will begin blinking)

Pressing and holding this button will cancel any active pair and turn Bluetooth off (LED will turn off)

24 BLUETOOTH | CH 11|12 STEREO LEVEL CONTROL
Controls the level of the BLUETOOTH and CH 11|12 input signals being sent to the MAIN bus

25 BLUETOOTH | CH 11|12 SOLO BUTTON
Mutes all input sources except BLUETOOTH or CH 11|12 input signals

26 POWER LED
When the LV12 is powered on this LED will be lit red

27 MAIN OUTPUT LEVEL METERS
Display the main mix output level

28 FX PRESET CONTROL AND LISTING
Selects the FX preset 1–16. The FX type for each preset can be seen in the list above the knob.

29 FX SIG & CLIP LEDs
These LEDs light up to give information about the incoming signal to the FX processor. When there is signal present, the SIG LED will be lit, indicating there is audio passing through the FX processor. If the CLIP LED is lit at any time, the incoming audio is distorting and the resulting FX will also be distorted

30 FX ADJUST CONTROL
This control changes the characteristics of the selected FX preset parameters allowing you to customize each preset

31 FX LEVEL CONTROL
This control adjusts the overall level of the effected signal from the FX processor that is being sent to the MAIN OUTPUTS

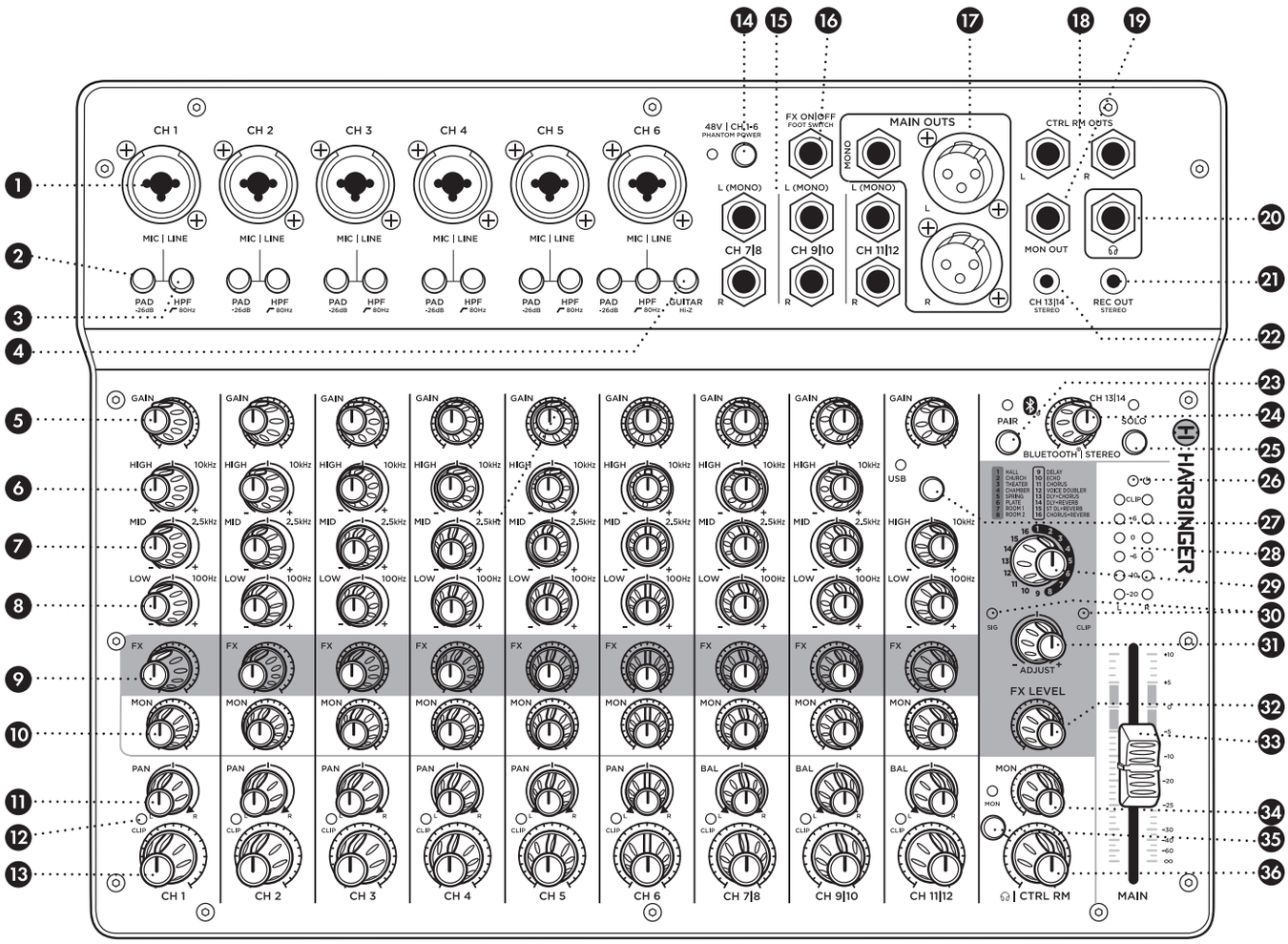
32 MAIN OUTPUT LEVEL FADER CONTROL
This fader controls the level of the MAIN OUTPUT

33 MON MASTER CONTROL
Controls the combined send output level feeding the MON OUTPUT

34 MON SEND TO PHONES | CTRL RM
When pressed, the MON send is sent to the Headphone and CTRL RM OUTPUTS. When up, the Phones and CTRL RM OUTPUTS are the same as the MAIN OUTPUTS

35 HEADPHONE|CTRL RM MASTER CONTROL
This control adjusts the signal level feeding the CTRL RM OUTS and the Headphone output

LV14 TOP PANEL



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Reduces the signal strength of the associated input signal by 26 dB

3 80Hz HIGH-PASS FILTER
Reduces low frequency "rumble" from microphone signals

4 GUITAR HI-Z BUTTON
Changes the impedance on CH6 to optimize passive guitar and bass signals

5 GAIN CONTROL
Adjusts the preamp gain for the associated channel

6 HIGH EQ CONTROL
Boosts or cuts the high frequencies of the associated input signal, at a corner frequency of 10 kHz

7 MID EQ CONTROL
Boosts or cuts the mid frequencies of the associated input signal, at a center frequency of 2.5 kHz

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Boosts or cuts the low frequencies of the associated input signal, at a corner frequency of 100 Hz

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Controls the relative level of the associated channel being sent to the FX processor

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Controls the relative level of the associated channel being sent to the MON OUT

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Adjusts positioning of the channel input signal within the stereo sound field

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Lights red when the signal level at the preamp stage is too high and causing clipping/distortion

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Adjusts the relative level of the associated channel being sent to the MAIN bus

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Activates phantom power, which is required for condenser-type microphones

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Connect a ¼" single-button footswitch here to mute/unmute the internal FX. This can be helpful when addressing the audience between songs

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21 REC OUT
This signal is taken from the MAIN bus. Connect this output to a recording device with a stereo 1/8" (3.5 mm) input

22 CH 13|14 STEREO INPUT
Connect a phone, tablet, or laptop here, with a stereo 1/8" (3.5 mm) cable. This input is routed to the BLUETOOTH/ CH 13|14 channel

23 BLUETOOTH PAIR BUTTON
With no actively paired device, pressing this button will activate pairing mode (LED will start blinking)

With a device actively paired (LED lit solidly), pressing this button will cancel the pair and will activate pairing mode (LED will begin blinking

Pressing and holding this button will cancel any active pair and turn Bluetooth off (LED will turn off)

24 BLUETOOTH / CH 13|14 STEREO INPUT LEVEL CONTROLS
Controls the level of the BLUETOOTH and CH 13|14 input signals being sent to the MAIN bus

25 BLUETOOTH / CH 13|14 SOLO BUTTON
Mutes all input sources except BLUETOOTH or CH 13|14 input

26 POWER LED
When the LV14 is powered on this LED will be lit red.

27 USB ROUTING TO CH11|12 BUTTON
Pressing this button routes the USB audio input to CH 11|12. Use the CH 11|12 level control to send this signal to the MAIN mix. If you are recording over existing tracks coming from a DAW and you wish to exclude those tracks from the audio being recorded, reduce the CH 11|12 level control to its minimum / full counter-clockwise position (do this for any channels you do not want recorded by the DAW). Press the MON SEND to PHONES | CONTROL ROOM button 31 and use the channel MON SEND CONTROLS 19 to create a mix of the playback and live recording tracks. You will hear both the playback tracks and the signals you are recording, but only the signals being sent to the MAIN mix will be recorded by the DAW

28 MAIN OUTPUT LEVEL METERS
Display the main mix output level

29 FX PRESET CONTROL AND LISTING
Selects the FX preset 1–16. The FX type for each preset can be seen in the list above the knob

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36 HEADPHONE|CTRL RM MASTER CONTROL
This control adjusts the signal level feeding the CTRL RM OUTS and the Headphone output