

OWNER'S MANUAL

MX-854CX

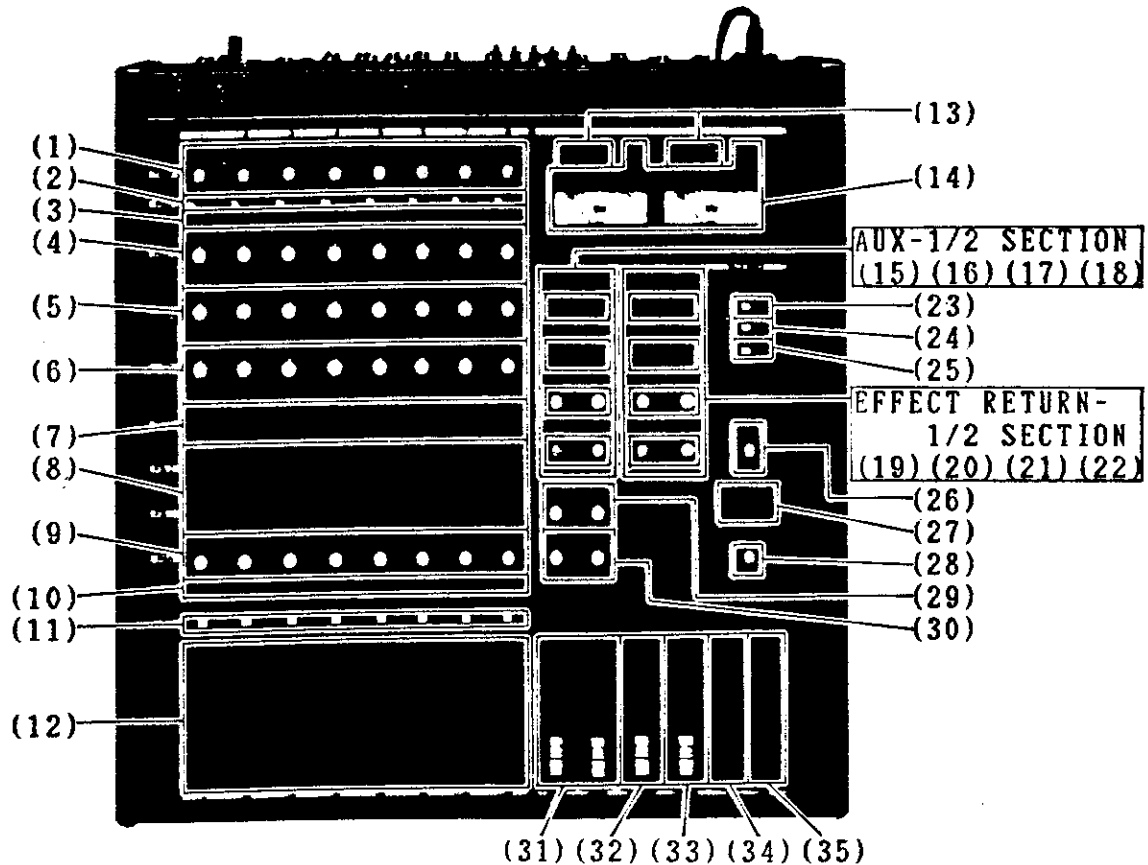
KAWAI

Thank you for purchasing a KAWAI MX-854CX Mixing Console. Please be sure to follow this manual's instructions carefully so the MX-854CX will remain in good condition and continue to offer its full capabilities.

FEATURES

- * The MX-854CX is an 8-channel mixing console with a wide variety of built-in functions.
- * It comes equipped with balanced XLR cannon input and output jacks. You don't need costly interface boxes.
- * Its 20 dB pad and 30 dB trimmer enable it to handle input from virtually any sound source, including microphones, synthesizers and other devices.
- * It is equipped with variable HIGH, MID and LOW equalizers that assure its output faithfully reproduces or even surpasses its input.
- * It is equipped with 6 output systems : L,R,MONO,FB-1,FB-2 and EFFECT.
- * It accepts 5 systems as sub inputs : L,R,FB-1,FB-2 and EFFECT. This enables you to cascade two or more mixers to increase the number of available channels.

LOCATION OF CONTROLS AND CONNECTIONS



* INPUT CHANNEL BLOCKS

(1) **TRIM** (trimmer) : Attenuates the input signal. The input signal is highest when this control's setting is 30. TRIM does not affect the PHONO jack (see the section on the REAR PANEL).

(2) **PAD** (pad) : Attenuates the input signal by 20 dB. Push the PAD knob to activate it. PAD has no effect on the PHONO and LINE jacks.

(3) **PEAK** (peak indicator) / **NORMAL** (normal indicator) : Indicates the input level. Adjust TRIM and PAD so that the NORMAL indicator lights most of the time and the PEAK indicator only lights at unusually high transient levels.

(4) **HIGH** (high frequency control) : Adjusts the frequency bandwidth within a ± 12 dB range at either 5 kHz or 10 kHz, selectable with a switch below the HIGH control. The bandwidth is flat when the knob is centered.

(5) **MID** (mid frequency control) : Adjusts the frequency bandwidth within a ± 12 dB range at either 1 kHz or 2.5 kHz, selectable with a switch below the MID control. The bandwidth is flat when the knob is centered.

(6) **LOW** (low frequency control) : Adjusts the frequency bandwidth within a ± 12 dB range at either 100 Hz or 200 Hz, selectable with a switch below the LOW control. The bandwidth is flat when the knob is centered.

- (7) EFFECT (effect level) : Adjusts the level at which signals set by (1)-(6) above are sent to the EFFECT section of the MASTER BLOCKS. This setting is post fader so CHANNEL FADER(12) affects its level.
- (8) FB2 / FB1 (fold back 2 level / fold back 1 level) : Adjusts the level at which signals set by (1)-(6) above are sent to the FB2 and FB1 section of the MASTER BLOCKS. This setting is pre fader so CHANNEL FADER(12) does not affect its level.
- (9) PAN (pan pot) : Adjusts the level at which signals set by (1)-(6) above are sent to the L,R section of the MASTER BLOCKS for stereo imaging. PAN distributes the input signal between L and R OUTPUT so that you can control the sound's L/R position. When the PAN knob is centered, the signal is evenly distributed between L and R OUTPUTS.
- (10) PLAY (play switch / indicator) : Turns the channel on or off.
- (11) CHECK (check switch) : Turns on or off headphone monitoring of the signal set by (1)-(6) above. Adjust the headphone's signal with the HEADPHONE MONITOR SECTION's controls. See (27).
- (12) CHANNEL FADER (channel fader) : Adjusts the volume of signals set by (1)-(6) above. Use TRIM(1) and PAD(2) to set the channel's level to 8 for best sound quality.

*MASTER BLOCKS

METER SECTION

- (13) FB-1/EFF/L, FB-2/MONO/R (meter selection switch) : Changes the outputs indicated by the LEVEL METER. With the switch to the left, the meter indicates FB-1/EFFECT/L. With the switch to the right, the meter indicates FB-2/MONO/R.
- (14) PEAK (peak indicator) :
 VU (VU meter) :
 The VU meter indicates the signal level of the output selected with SWITCH(13). The PEAK indicator lights when a transient peak level is detected.

AUX1/AUX2 SECTION

- (15) FB-2 (fold back 2 level) : Sets the level at which the AUX-1 and AUX-2 input signals are sent to the FB-2 section.
- (16) FB-1 (fold back 1 level) : Sets the level at which the AUX-1 and AUX-2 input signals are sent to the FB-1 section.
- (17) PAN (pan pot) : Distributes the AUX-1 and AUX-2 input signals between L and R. L and R are in balance when the PAN knob is centered.
- (18) LEVEL (level) : Adjusts the level of AUX-1 and AUX-2 input signals. When this control is set to 0, controls (15)-(17) have no effect.

EFFECT RETURN-1/EFFECT RETURN-2 SECTION

- (19) FB-2 (fold back 2 level) : Sets the level at which EFFECT RETURN-1 and EFFECT RETURN-2 input signals are sent to the FB-2 section.
- (20) FB-1 (fold back 1 level) : Sets the level at which EFFECT RETURN-1 and EFFECT RETURN-2 input signals are sent to the FB-1 section.
- (21) PAN (pan pot) : Distributes the EFFECT RETURN-1 and EFFECT RETURN-2 input signals between L and R. L and R are in balance when the PAN knob is centered.
- (22) LEVEL (level) : Adjusts the level of EFFECT RETURN-1 and EFFECT RETURN-2 input signals. When this control is set to 0, controls (19)-(21) have no effect.

TALKBACK SECTION

- (23) L&R (L&R switch)
- (24) FB-2 (FB-2 switch)
- (25) FB-1 (FB-1 switch) : These switches select which section the TALKBACK microphone signals are sent to. Pushing L & R (23) sends the microphone signals to L and R simultaneously.
- (26) LEVEL (level) : Adjusts the level of the TALKBACK microphone's signals. When this control is set to 0, controls (23)-(25) have no effect.

HEADPHONE MONITOR SECTION

- (27) FB-1/FB-2/EFFECT/MONO/L&R (headphone monitor selection switch) : Selects which channel to monitor with the headphones.
- (28) HEADPHONE (monitor level) : Adjusts the headphone's volume.

FB-1/FB-2 SECTION

- (29) HIGH (high) : Adjusts the frequency bandwidth of high frequency FB-1/FB-2 outputs. Range of adjustment : ± 12 dB at 10 kHz.
- (30) LOW (low) : Adjusts the frequency bandwidth of low frequency FB-1/FB-2 outputs. Range of adjustment : ± 12 dB at 100 Hz.
- (31) FB-1 / FB-2 (FB-1/FB-2 master fader) : Master fader for FB-1 and FB-2 signals for each channel block. Adjusts the output level to the FB-1/FB-2 output jacks. When this control is set to 0, no signals are output.

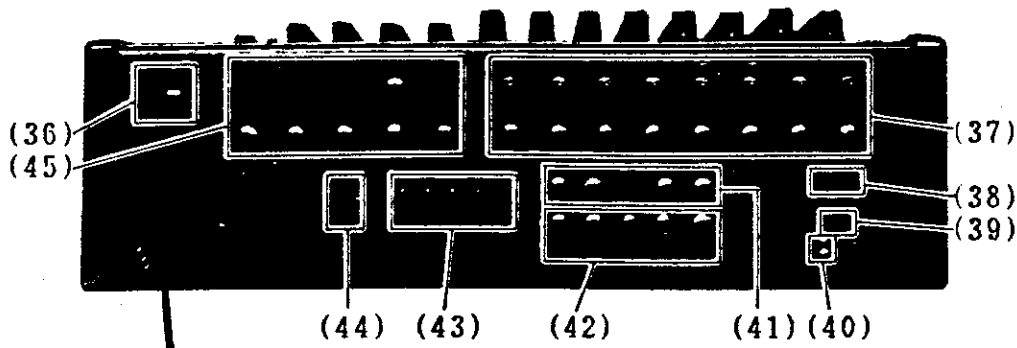
MASTER FADER SECTION

- (32) EFFECT (effect master fader) : Master fader for EFFECT signals for each channel block. Adjusts the output level to the EFFECT output jack.
- (33) MONO (monaural master fader) : Master fader for MONO signals for each channel block. Adjusts the output level to the MONO output jack.

(34) L (L channel master fader) :

(35) R (R channel master fader) : Master faders for L & R signals for each channel block. Adjusts the output levels to the L and R output jacks.

* REAR PANEL BLOCK



(36) POWER (AC power switch)

(37) INPUT (input jack) : Balanced jack for a microphone, tape deck, tuner, etc. Use a Cannon plug for microphone input. Use the LINE jack for high input level sound sources, like keyboards. Use the PHONO jack for turntable input.

(38) PHONO (phono terminal) : Turntable input.

(39) PHONO ON/OFF (phono switch) : With switch(39) on, the PHONO jack(38) can accept input from a turntable. Do not use this jack for other sound sources.

(40) GND (ground terminal)

Connect the turntable's ground to this terminal.

(41) AUX-1/AUX-2 (auxiliary input jack) :

EFFECT RETURN-1/EFFECT RETURN-2 (effect return input jack) : Connect high input sound sources, like tapedecks and keyboards, to the Auxiliary input jacks. The input level is -10 dBm.

Connect echo devices, equalizers and other effects devices to the EFFECT RETURN jack.

(42) SUB INPUT (sub input) : Connect the output of another mixer to this jack if you need to increase the number of channels available. FB-1/FB-2 and EFFECT are pre master fader inputs. Use the MX-854CX's master fader and the submixer's fader for level adjustments. L & R are post fader inputs.

(43) ACCESSORY SEND/RETURN (accessory output/input jacks) : Connect a graphic equalizer, a reverb unit, or limiter to this jack. A signal to this jack is a pre fader input.

(44) REC OUTPUT (output jack for recording) : Can be used to send memo notes or studio notes to a recording. Output level : +4 dBm.

(45) OUTPUT (output jacks) : Output jacks which are controlled by the master faders. The MX-854CX is equipped with both balanced and unbalanced jacks.

OPERATIONS

- * Confirm that all cords are properly connected to the mixer.
- * After setting all volume levels to 0, confirm that the input and output level settings are proper.
- * Turn the power switch on and adjust the sound quality and level of each channel, if needed.
- * Fade in a master fader. The signal will be sent to the output jack. Re-adjust the sound quality and level, the left and right balance, and other characteristics of the sound. Try for a master fader level of about 8. If the level meter's reading is too high, use the each channel's TRIMMERS, PADS, and FADERS to adjust it.
- * Finish by adjusting Foldback, Effect and Talkback levels. Make final minute adjustments using the monitor.

CAUTIONS

- * Many precision parts are incorporated in the MX-854CX. Please be sure to read this manual carefully to maintain their condition and to obtain their full capabilities.
- * Lower the fader settings and amplifier volume levels before connecting and disconnecting microphones and other devices to the mixer.
- * Keep the MX-854CX away from shock, direct sun, and dust.
- * Nearby neon lights, fluorescent fixtures, electric motors and other sources can produce noise. If you encounter too much noise, try connecting the mixer's power plug to a different AC outlet.
- * If the built-in circuit-protecting fuse blows often, consult your nearest KAWAI dealer for repair to prevent any trouble.