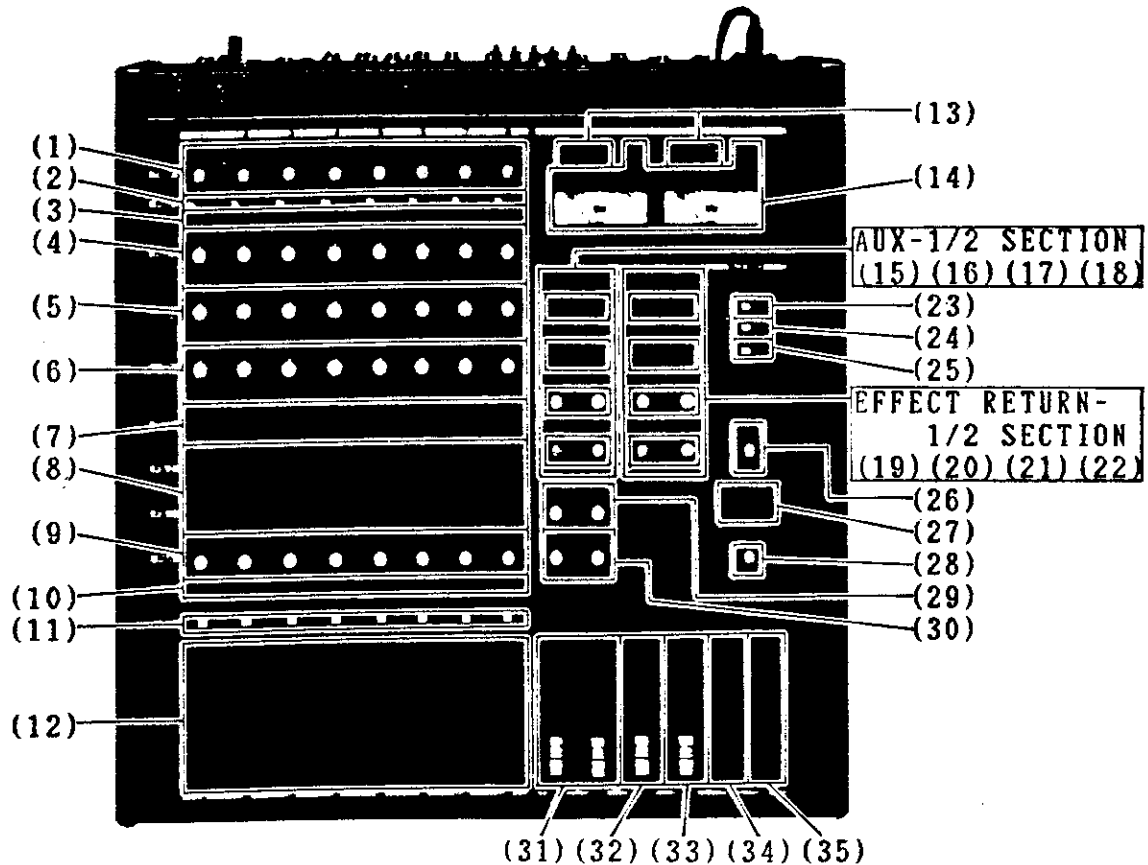# OWNER'S MANUAL

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.

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LOCATION OF CONTROLS AND CONNECTIONS

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(3)
(4)
(5)
(6)
(7)
(8)
(9)
(10)
(11)
(12)

(13)
(14)

AUX-1/2 SECTION
(15) (16) (17) (18)
(23)
(24)
(25)

EFFECT RETURN-
1/2 SECTION
(19) (20) (21) (22)
(26)
(27)
(28)
(29)
(30)

(31) (32) (33) (34) (35)

✲ INPUT CHANNEL BLOCKS

(1) TRIM (trimmer) : Attenuates the input signal. The input signal is highest when this control's settng 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 translent 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.

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(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 evently 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
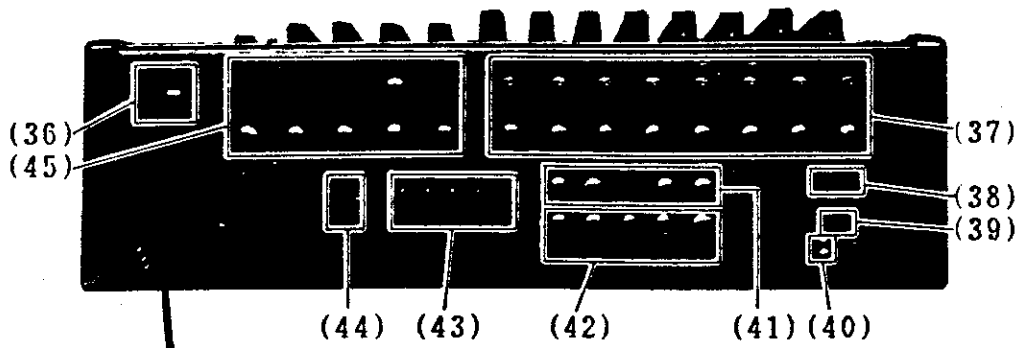
(36) POWER (AC power switch)
(37) INPUT (input jack) : Balanced jack for a microphone, tape
deck, tuner, etc. Use a Cannon plug for microphone input. Use the
LINE jack for high input level sound sources, like keyboards. Use
the PHONO jack for turntable input.
(38) PHONO (phono terminal) : Turntable input.
(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.