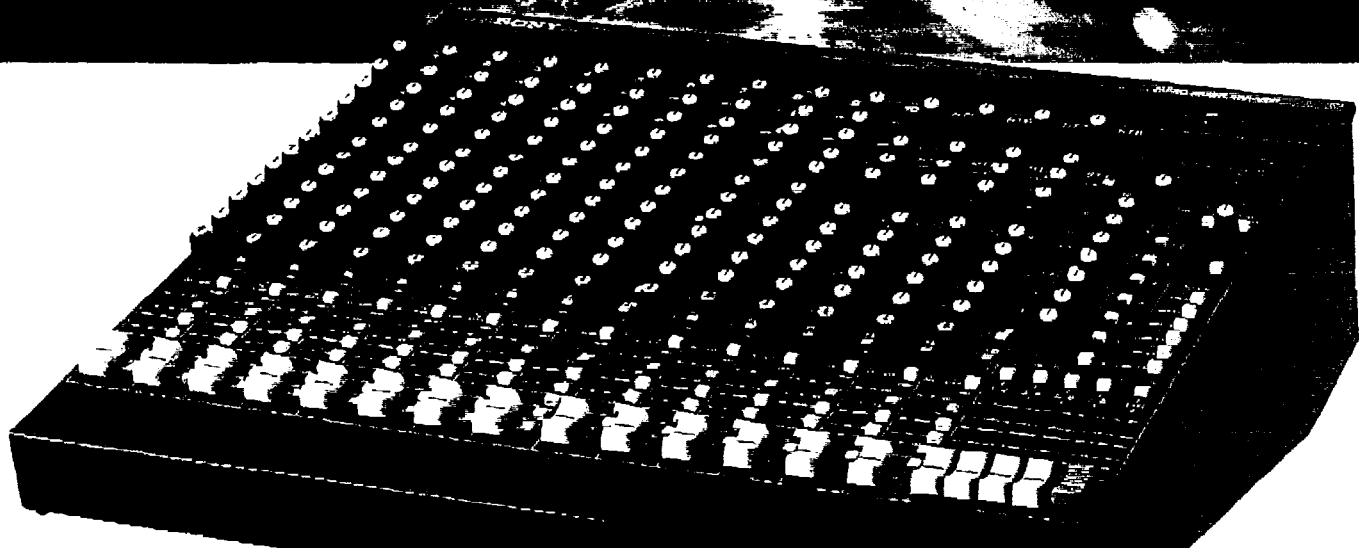


# SONY<sup>®</sup>

Audio Mixer  
**SRP-V110**



The Sony SRP-V110 mixer-with comprehensive monitoring, 8 Bus outputs and 8 Aux outputs for the affordable flexibility you need in MI multitrack and SR applications.

## 1. Ten mono input channels

A TAPE input, DIRECT output and MONI switch are provided on each channel from CH 1 to CH 8, allowing easy connection with an 8-track recorder and streamlining all recording work from track recording to mixdown.

### [TAPE input]

In addition to a MIC input (XLR-type) and LINE input (1/4" phone-type), a TAPE input is provided on each channel from CH 1 to CH 8.

### [MONI (Monitor) switch]

For monitoring, the MONI switch routes the TAPE (or MIC/LINE) input to AUX 1-2 via the PANPOT when the TAPE (or MIC/LINE) is selected as the channel input source.

### [DIRECT]

A channel post-fader signal can be output to send a refreshed signal to the MTR. (By pressing the button, the SUB GROUP output is switched to DIRECT output.)

Each mono input channel provides an insert send/return, LCF (Low Cut Filter), eight AUX sends and a peak indicator which lights at 3dB below the maximum level, making the SRP-V110 suitable in small SR applications as well as in multitrack recording systems. It also has a 3-band equalizer section including a shelving High, a sweepable peaking Mid and a peaking Low.

## 2. Four stereo inputs/four stereo sub inputs

Each of the four stereo input channels provides eight AUX sends and a peak indicator which lights at 3dB below the maximum level. These channels are suitable for use as a stereo effect return or the playback channel of a player (CD, MD, cassette, etc.).

A 3-band equalizer section includes a shelving High, a peaking Mid and a peaking Low.

The SRP-V110 provides four stereo sub inputs which are routed only to the Master L/R outputs. You can connect further stereo sources in addition to the four stereo input channels.

## 3. Eight sub-group outputs/Master L/R

The SRP-V110 provides L/R Master and eight sub-group outputs suitable for use with an 8-track recorder. All of these bus outputs are equipped with stereo master faders. An insert I/O (send/return) is provided for the Master L/R bus, allowing insertion of an external limiter, etc.

(Each sub-group output jack can be switched to a DIRECT OUT jack via the switch)

## 4. Eight AUX bus outputs

To meet increasing demand for more auxiliary sends, even in a small system, the SRP-V110 provides eight AUX sends in its

AUX 1-2 send the pre-fader signal via PANPOT, and a source signal can be selected between TAPE and MIC/LINE via a switch.

A switch for pre/post selection is provided for AUX 3 and AUX 4. AUX 5 through to AUX 8 are post-fader, and two controls are provided with a switch that determines whether the controls feed the AUX 5 and 6 or AUX 7 and 8 buses.

## 5. 2TR input/output

The 2TR input and output are intended for connection with a master recorder in a multitrack recording system, as well as for connection with a player for background music, etc. in PA applications.

## 6. Monitor functions

An AFL (After-Fader Listen) monitor switch is provided for each bus output and the 2TR input, while a PFL (Pre-Fader Listen) monitor switch is provided for each of ten mono and four stereo inputs.

## 7. LED level meters

10-segment LED meters can be switched between PEAK-reading for recording purposes or VU operation for PA applications. You can monitor the signal level of the input or output of the active PFL or AFL switch.

## 8. Wide headroom

The SRP-V110 is designed to maintain wide headroom at all stages from input to output, providing 23dB at the input stage and 26dB at the summing stage. This reduces the possibility of distortion problems.

## 9. Superior sound

In addition to a simple circuit design, the SRP-V110 employs specially-selected resistors and operational amplifiers for superb sound quality. These, as well as a sophisticated EQ circuit design, are the same as those used in the more expensive Sony SRP-V300 Audio Mixer.

With the affordable SRP-V110, there are no compromises in sound quality.

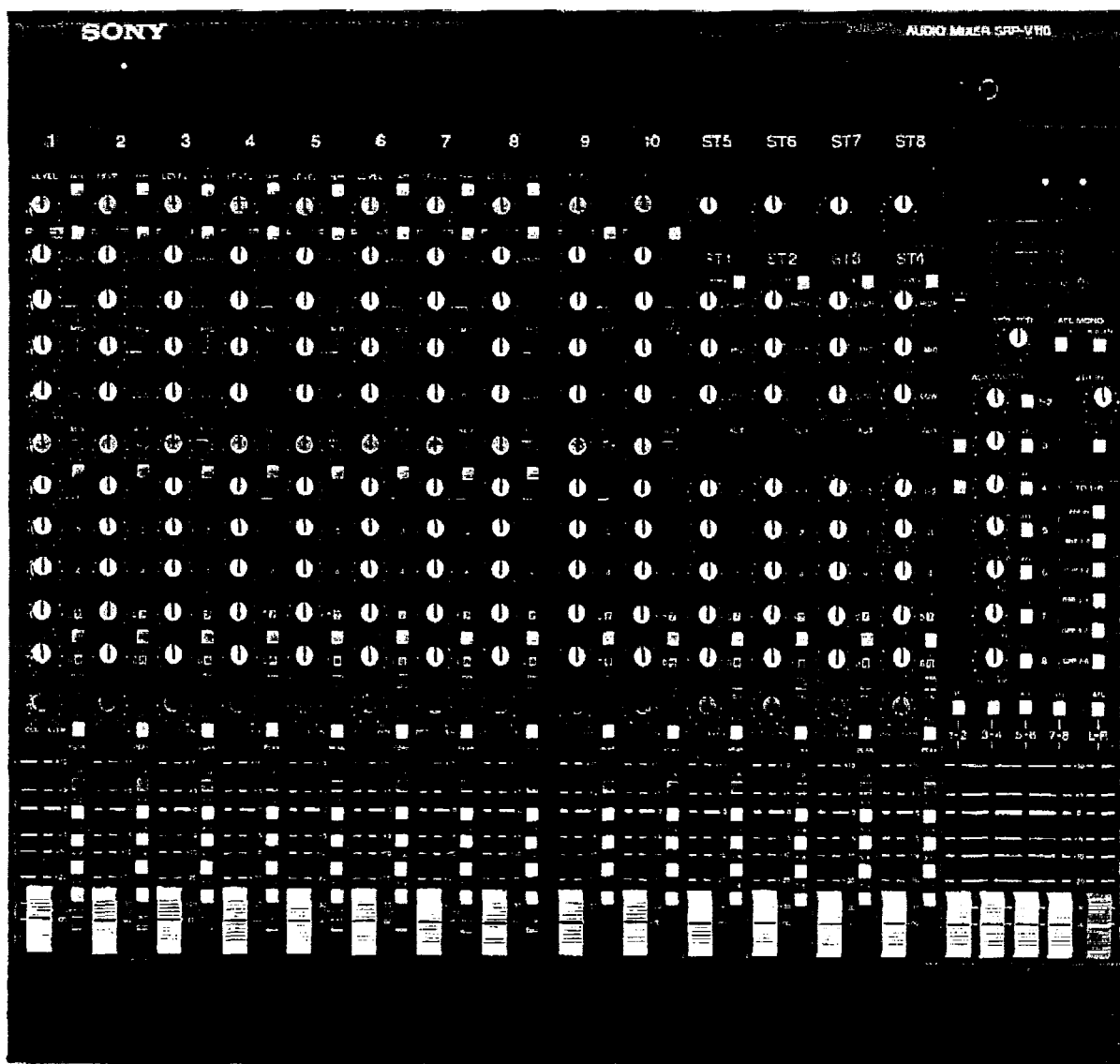
## 10. Reliability

All rotary controls feature metallic shafts for positive control. The SRP-V110 is designed to be highly reliable throughout.

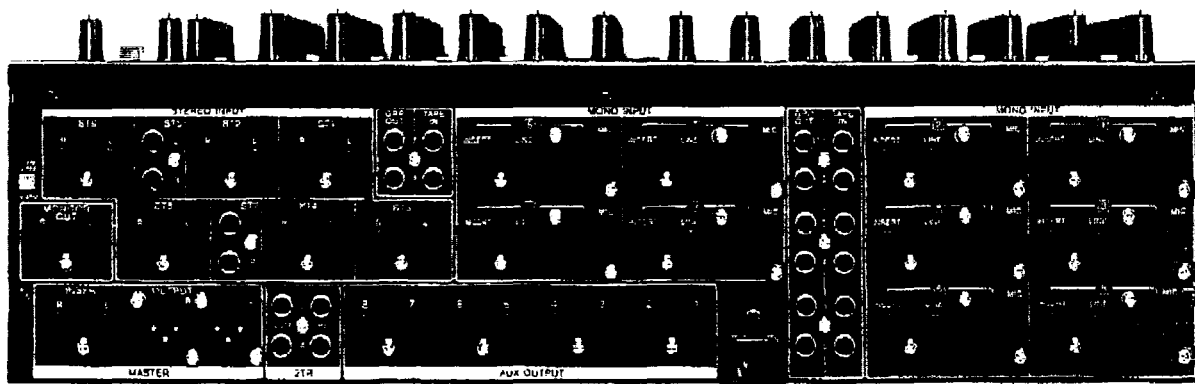
## 11. Optional rack-mount adaptor

With the optional Sony MU-110BK Rack-Mount Adaptor, the SRP-V110 can be mounted in a 19-inch standard rack

# Front Panel

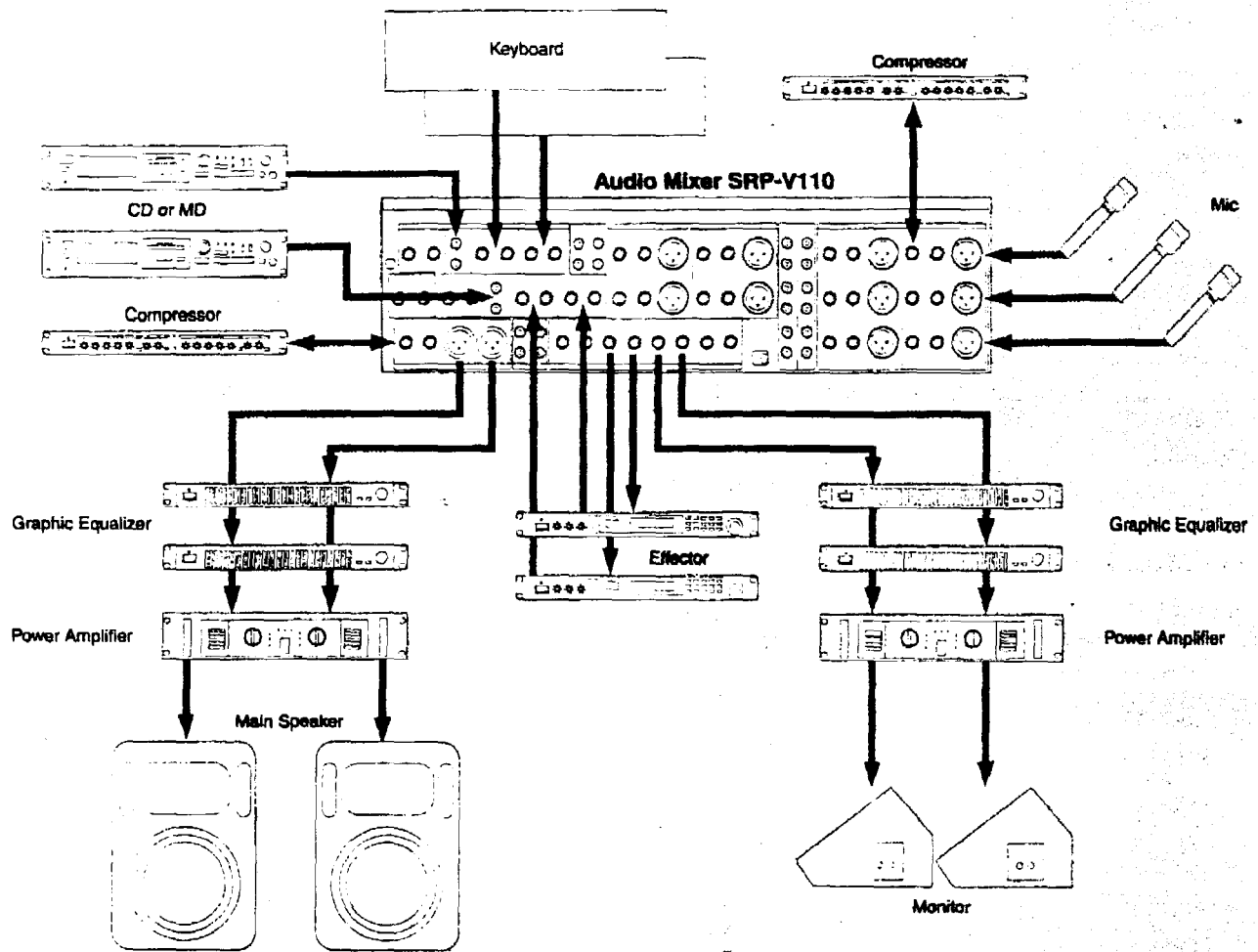


# Rear Panel

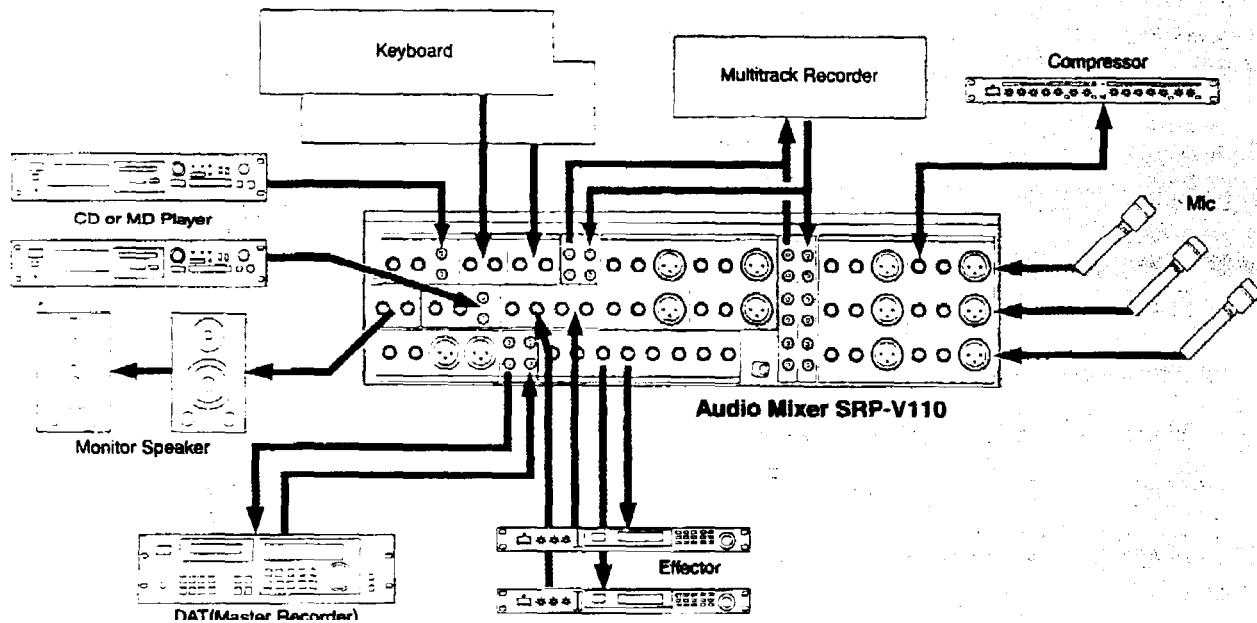


# System Connection Examples

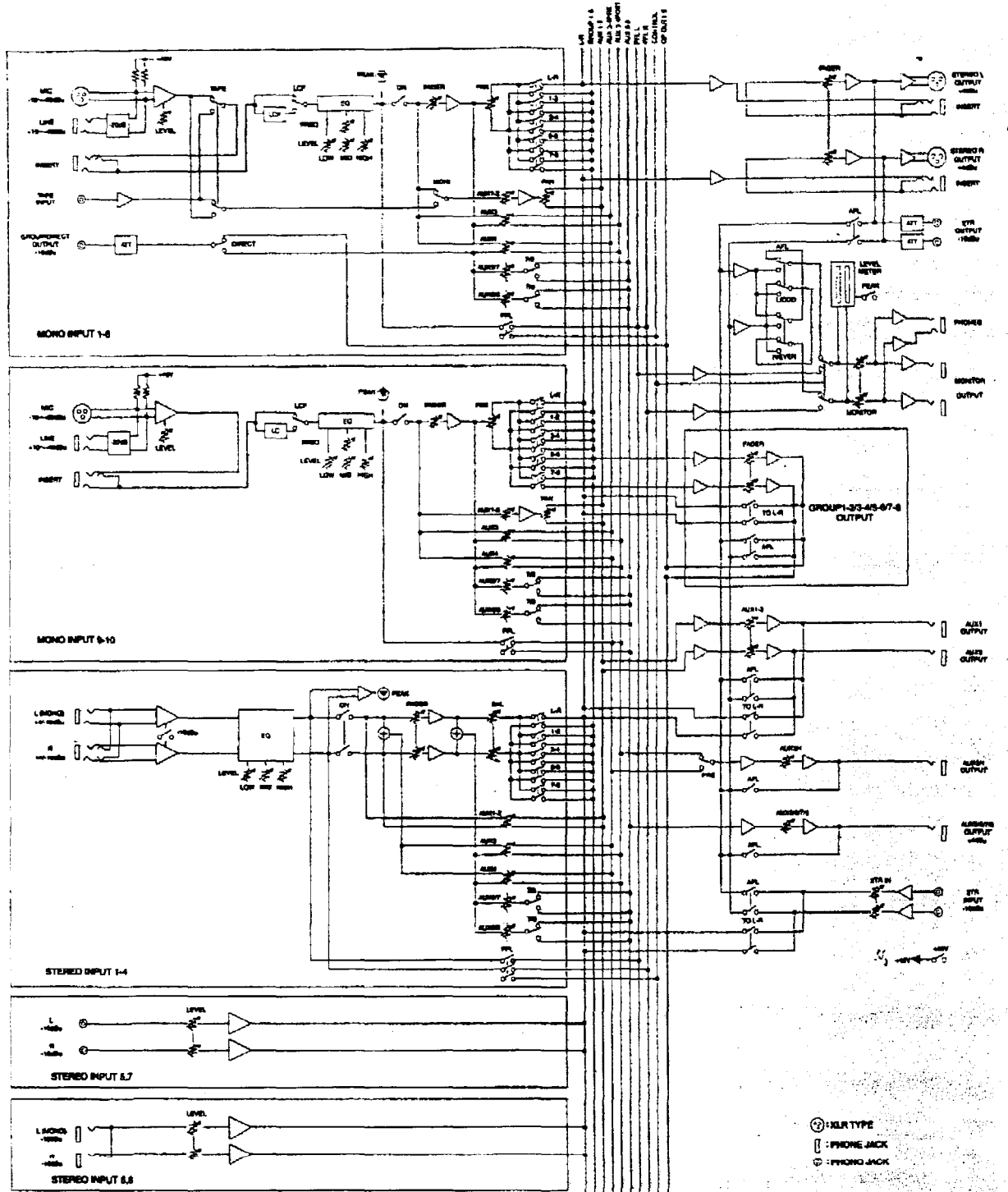
## [SRP-V110 PA Application]



## [SRP-V110 Multitrack Recording Application]



# Block Diagram



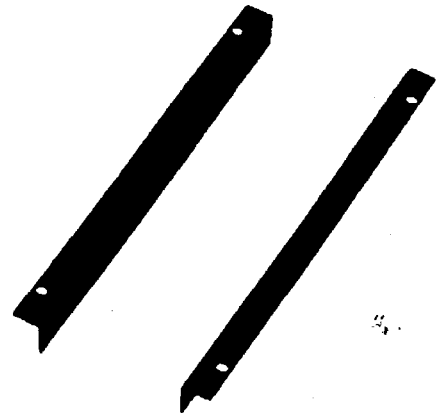
# Specifications

		Connector type	Circuit	Reference level	Maximum level	Impedance	Suitable load impedance
MONO INPUT	MIC	XLR-3-31 type	Balanced	-60/-10dBu	-37/+13dBu	2.2kΩ	—
	LINE	Phone jack		-40/+10dBu	-17/+27dBu	22kΩ	—
	TAPE INPUT	Phono jack	Unbalanced	-10dBu	+13dBu	10kΩ	—
	INSERT INPUT	Phone jack	Unbalanced	-3dBu	+20dBu	30kΩ	—
	INSERT OUTPUT			-3dBu	+20dBu	47Ω	600Ω or more
STEREO INPUT	1-4	Phone jack	Balanced	-10/+4dBu	+13/+27dBu	3.3kΩ or more	—
	5,7	Phono jack	Unbalanced	-10dBu	+27dBu	10kΩ or more	—
	6,8	Phone jack	Unbalanced	-10dBu	+27dBu	10kΩ or more	—
AUX OUTPUT		Phone jack	Unbalanced	+4dBu	+20dBu	100Ω	600Ω or more
GROUP/DIRECT OUTPUT		Phono jack	Unbalanced	-10dBu	+10dBu	320Ω	10kΩ or more
2TR	INPUT	Phono jack	Unbalanced	-10dBu	+27dBu	10kΩ or more	—
	OUTPUT	Phono jack	Unbalanced	-10dBu	+10dBu	320Ω	10kΩ or more
STEREO OUTPUT		XLR-3-32 type	Balanced	+4dBu	+24dBu	47Ω	600Ω or more
	INSERT INPUT	Phone jack	Unbalanced	-6dBu	+20dBu	30kΩ or more	—
	INSERT OUTPUT			-6dBu	+20dBu	47Ω	600Ω or more
MONITOR OUTPUT		Phone jack	Unbalanced	+4dBu	+20dBu	100Ω	600Ω or more
	PHONES	Phone jack	Unbalanced	—	40mW+40mW	—	8Ω or more

Frequency response	+0.5/-1.0dB (20Hz-50kHz) +0.5/-0.5dB (20Hz-20kHz)
Total harmonic distortion	Less than 0.005% (MIC INPUT: -60dBu, L-R OUTPUT: +14dBu, 1kHz)
E.I.N	Less than -129dBu (MIC INPUT: -60dBu)
Residual noise level	Less than -95dBu (20Hz-20kHz, L-R OUTPUT FADER: -∞) Less than -82dBu (20Hz-20kHz, L-R OUTPUT FADER: 0, 14 ch routed) Less than -106dBu (20Hz-20kHz, GROUP OUTPUT FADER: -∞) Less than -95dBu (20Hz-20kHz, GROUP OUTPUT FADER: 0, 14 ch routed)
Crosstalk	Less than -90dB (Fader down, 1kHz) Less than -98dB (ON button: OFF, 1kHz)
Power requirements	AC 230V,*120V 50/60Hz
Power consumption	50W
Mass	Approx. 8.7 kg (19 lb 3 oz)
External dimensions	430×120×396 (w/h/d) mm (17×4 7/8×15 1/2 inches)

\*: 120V models - except for North America

## MU-110BK Optional rack mount adaptor



The MU-110BK rack mount adaptor lets the SRP-V110 mount in a 19-inch standard rack with 9U height.

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(0dBu=0.775V)

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