

# SONY®

## POWERED MIXER SRP-X351P

The SRP-X351P Powered Mixer contains all the features for a wide range of applications—simply add the loudspeakers. Easy to operate, it provides cost-effective A/V facilities in conference, training, presentation and similar environments. With highly flexible audio and video connections, 170 W per channel (4Ω), 125 W per channel (8Ω), stereo power amplifier and comprehensive remote control by both RS-232C and infrared commander, the SRP-X351P is ideal for new installations or for upgrading existing A/V systems.



## Main Features

### 1. Four Microphone Inputs

Four balanced microphone inputs are provided via rear-panel XLR connectors.

The fourth input is also accessible via a 1/4-inch jack on the front panel. A sharp cut-off LF filter and a Signal Present LED are provided on all four inputs. 48 V phantom powering is available on the XLR connectors.

### 2. Three Stereo Channels

Three stereo channels are included, with line level inputs.

Channel 3 has four input connections, with input selection made by the four-way A/V selector.

### 3. Audio Outputs

A new feature is the Mic Group bus. A typical use of this feature is to route selected microphones only to the ceiling speakers of a PA system. An insertion point is provided for an optional equalizer, dynamics control unit or feedback reducer.

An Effects Bus and Stereo Record Bus are included. The Stereo Record Bus feeds both the power amplifiers and the Record output via an equalizer and an insertion point for external signal processing. This means that the stereo Record output can feed external power amplifiers with the same signal as the internal power amplifiers.

### 4. Video I/O Switching

Four sets of video and S-video inputs are included. Any one set of inputs is selected by the four-way A/V selector and routed to two pairs of outputs, one associated with the stereo Master output and one with the stereo Record output.

### 5. Optional Wireless Microphone Receivers

Mounting slots are built-in to the rear of the SRP-X351P for two optional Sony Freedom Series™ WRU-801A or WRU-806A

Wireless Microphone Receivers. Microphone channels 1 and 2 are selectable to the outputs of these receivers.

9 V DC is provided on the two antenna connectors to power optional Sony AN-820A omni-directional active antennas.

### 6. Comprehensive Remote Control Features

RS-232C and Sony Control-S remote control connections ports are provided on the rear of the SRP-X351P. A/V Input Selection and Master Volume can be controlled via these ports, or by using the supplied SRP-351RM infrared wireless remote commander. The power amplifier and Record outputs can be muted in the same way.

### 7. 170W per Channel Power Output

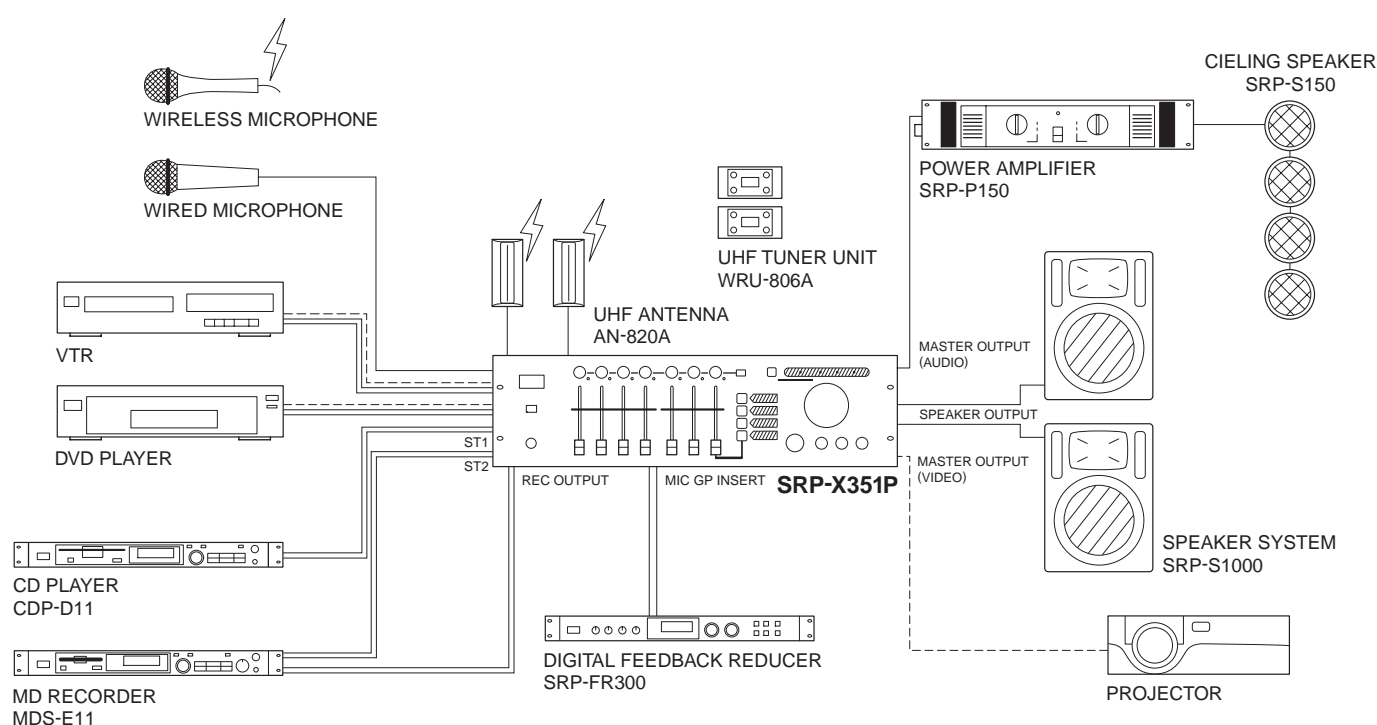
The SRP-X351P includes a low-distortion stereo power amplifier that outputs 170 W per channel into 4 ohms.

A loudspeaker protection circuit and Clip indication are provided.

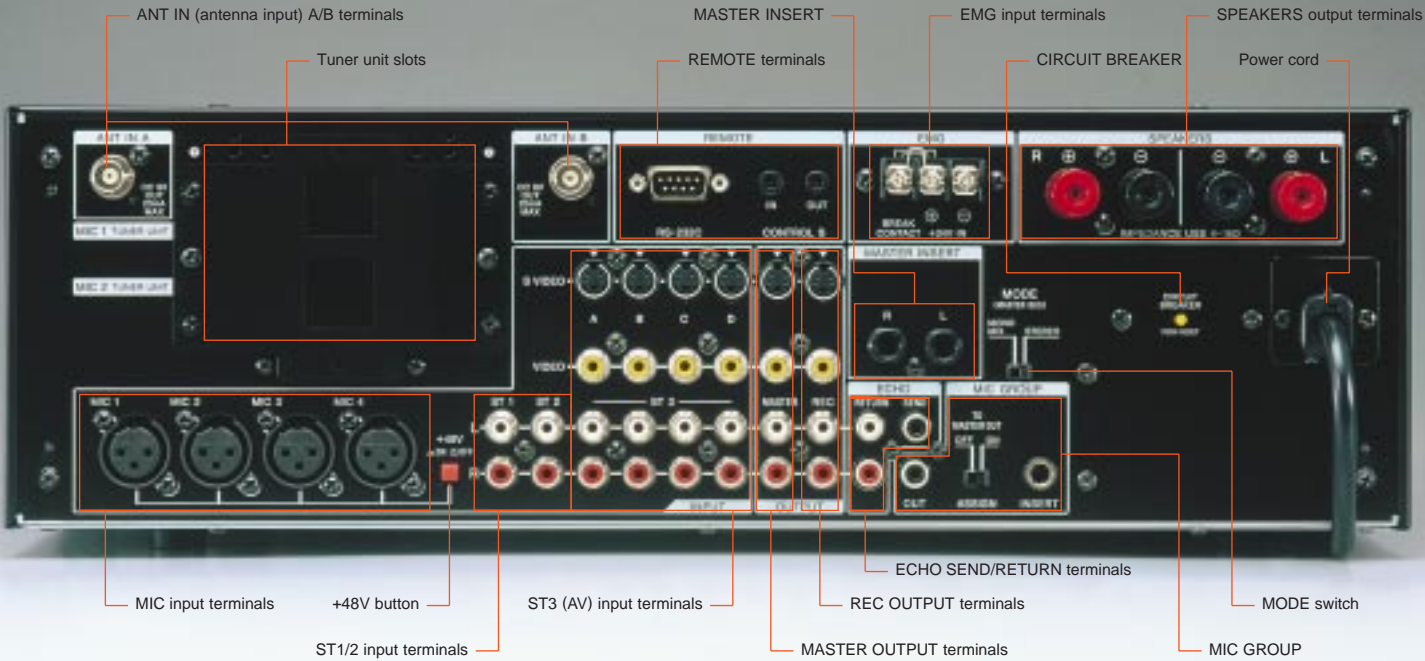
### 8. Rack Mountable

The SRP-X351P mounts in a 19-inch EIA standard rack and is 3U high.

## System



# Names and Functions Rear Panel



Wireless remote commander  
SRP-351RM



Installed tuners

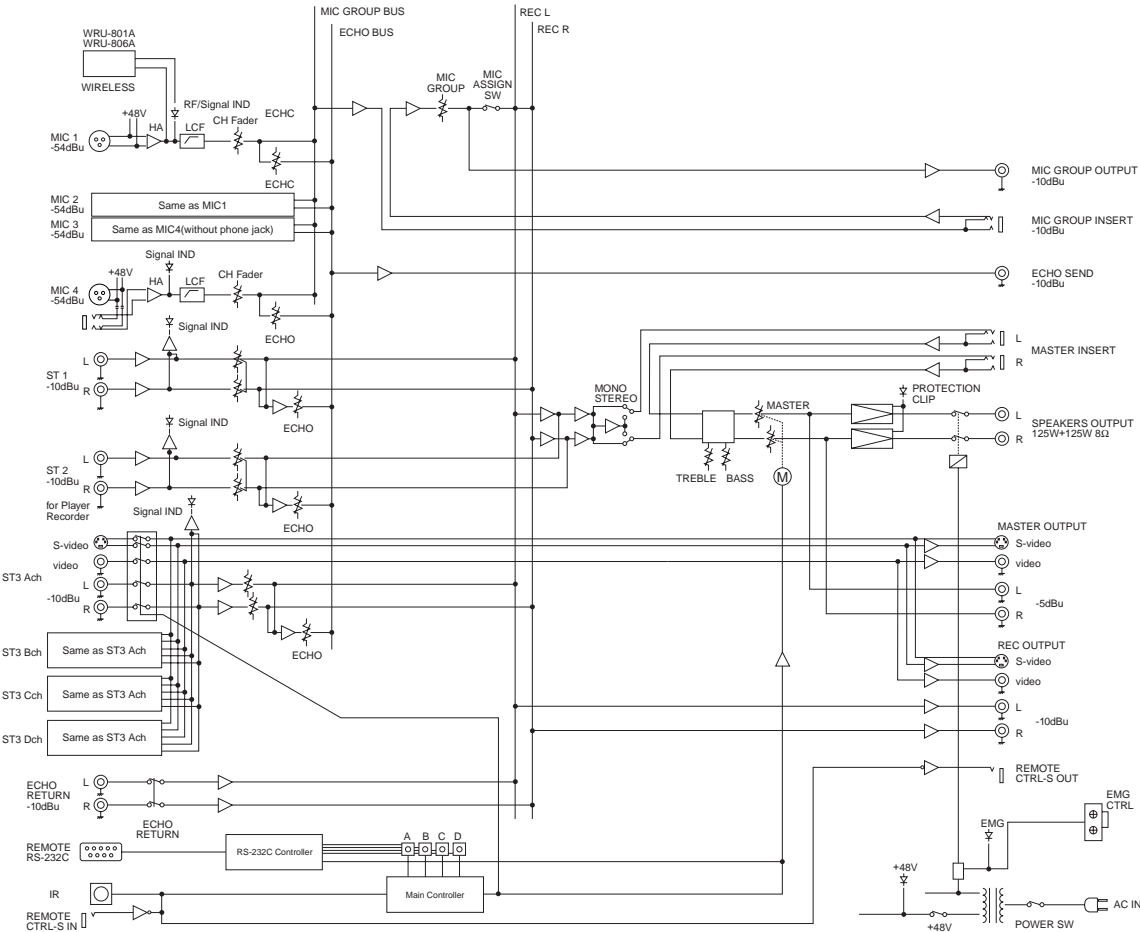


Tuner unit WRU-806A



Tuner unit WRU-801A

## Block Diagram





## Specifications

### AUDIO INPUT/OUTPUT

	Type of connector	Type of circuit	No. of channels	Reference level	Max. level	Impedance (Load impedance)
<b>MIC input 1-4 (Rear)</b>	XLR-3-31 type	Balanced	4	-54dBu	-24dBu	2.2k $\Omega$
<b>MIC input 4 (Front)</b>	1/4-inch jack	Balanced	1	-54dBu	-24dBu	2.2k $\Omega$
<b>ST1 input</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	20k $\Omega$
<b>ST2 input</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	20k $\Omega$
<b>ST3 input (ABCD)</b>	Phono	Unbalanced	4(ST)	-10dBu	+10dBu	20k $\Omega$
<b>Echo return input</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	20k $\Omega$
<b>MIC group output</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	(More than 10k $\Omega$ )
<b>Echo send output</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	(More than 10k $\Omega$ )
<b>Master output</b>	Phono	Unbalanced	1(ST)	- 5dBu	+15dBu	(More than 10k $\Omega$ )
<b>Rec output</b>	Phono	Unbalanced	1(ST)	-10dBu	+10dBu	(More than 10k $\Omega$ )
<b>Speakers output</b>	Screw type binding terminal		1(ST)	125W+125W (8 $\Omega$ 1kHz THD 0.1%) 170W+170W (4 $\Omega$ 1kHz THD 0.1%)		

### INSERT INPUT/OUTPUT

	Type of connector	Type of circuit	No. of channels	Reference level	Impedance (Load Impedance)
<b>Master insert</b>	Phone (Tip:OUT Ring:IN Sleeve:GND)	Unbalanced	2	Input -10dBu Output -10dBu	20k $\Omega$ (More than 10k $\Omega$ )
<b>MIC insert</b>	Phone (Tip:OUT Ring:IN Sleeve:GND)	Unbalanced	1	Input -10dBu Output -10dBu	20k $\Omega$ (More than 10k $\Omega$ )

### VIDEO INPUT/OUTPUT

	Type of Video	Type of connector	No. of channels
<b>ST3 input (ABCD)</b>	S-VIDEO VIDEO	4-pin mini DIN Phono	4 4
<b>Master output</b>	S-VIDEO	4-pin mini DIN	2
<b>Rec output</b>	VIDEO	Phono	2

S-Video and Video (composite) signal are separated

### ELECTRICAL CHARACTERISTICS (AUDIO)

	Conditions	Standards
<b>Frequency response</b>	20-20kHz, 1kHz reference Master out	+0.5, -1dB
<b>THD</b>	EQ FLAT, 20Hz-20kHz input	Less than 0.05%
<b>S/N ratio</b>	ST in, input short, IHF-A	More than 85dB
<b>Residual noise</b>	Master Vol 0, IHF-A, speakers output	Less than 100 $\mu$ V
<b>Crosstalk</b>	1kHz, between L-R channels 1kHz, between input channels	Less than -60dB Less than -80dB
<b>Tone control</b>	Treble 10kHz (Shelving type) Bass 60Hz (peaking type)	+/-12dB +/-12dB

### ELECTRICAL CHARACTERISTICS (VIDEO/S-VIDEO)

	Conditions	Standards
<b>Frequency response</b>	60-10MHz, 3.58MHz reference	+0.5, -1dB
<b>S/N ratio</b>	100kHz HPF 5MHz LPF	More than 65dB
<b>Crosstalk</b>	3.58MHz	Less than -50dB

### OTHER TERMINALS

<b>Antenna in</b>	BNC, 2-CH, DC 9V out
<b>Phantom power supply</b>	DC 48V, MIC 1-4 XLR connectors

### GENERAL

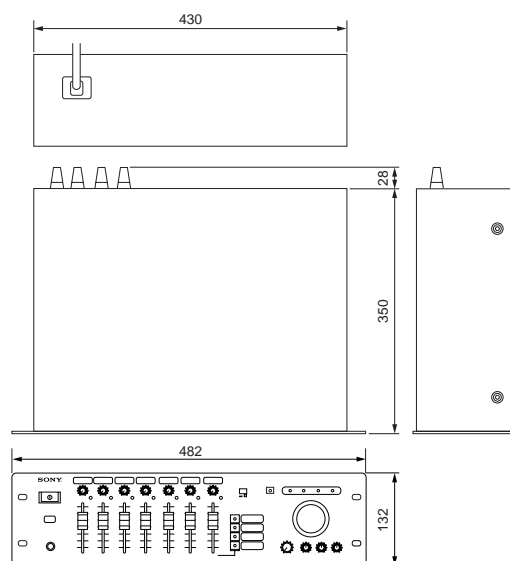
<b>Power consumption</b>	400W
<b>Power requirements</b>	AC 120V, 230V (50/60Hz)
<b>Dimensions</b>	482(W) $\times$ 132(H) $\times$ 350(D)mm
<b>Mass</b>	Approx. 15kg
<b>Supplied accessory</b>	Wireless remote commander SRP-351RM

OdBu=0.775Vrms

### CONTROL TERMINAL

	Type of connector	No. of channels	
<b>RS-232C terminal</b>	D-sub 9pin male	1	
<b>Control-S input</b>	Mini	1	
<b>Control-S output</b>	Mini	1	Through out from input
<b>EMG control</b>	Screw type	1	24V signal control

### Dimensions (unit: mm)



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