

# ES 2160

## MIXER-AMPLIFIER WITH MP3 PLAYER AND BLUETOOTH

### DESCRIPTION

ES 2160 is a 160 W class-D mixer-amplifier, with 4 mic-line audio inputs on removable connectors, an MP3 player with Bluetooth and an aux input for an external music source. The amplifier output is available both for low and high impedance speakers. Inputs 2 and 3 also have a RJ 45 socket for quick connection of a single RCF BM 3001 paging microphone (through CAT5 cable). ES 2160 offers several functions such as signal detection circuit ('VOX'), priority (through an external command), music on hold output, high-pass filters for improving speech intelligibility and tones controls.



### FEATURES

- 160 W power amplifier
- 4 mic-line inputs with phantom facility
- MP3 player and Bluetooth connectivity
- Low and high impedance speakers output
- BM 3001 connector on inputs 2 and 3
- VOX facility and priority command
- High-pass filters
- Tone controls on AUX inputs
- Music on hold output

## TECHNICAL SPECIFICATIONS

<b>Amplifier specifications</b>	Amplifier Class:	D
	Output power:	1 x 160 W @ 4 ohm
	Output power @ 100 V:	1 x 160 W @ 100 V
	Output power @ 70 V:	1 x 160 W @ 70 V
	Frequency Response (-3dB):	50 Hz ÷ 14000 Hz
	Distortion (THD+N) @ 1 kHz nominal power:	<0.3 %
<b>Input section</b>	Total number of inputs:	8
	Line inputs:	2
	Line connectors:	RCA
	Mic+Line inputs:	4
	Mic+Line connectors:	Euroblock, XLR
	Mic+Line Phantom:	32 V DC
	VOX:	Yes
	Paging inputs:	2
	Paging connectors:	RJ45
	Paging command:	Contact
	General Purpose Inputs (GPI):	2
<b>Output section</b>	Signal output number:	2
	Signal output connectors:	RCA
	Power output connectors:	Euroblock
<b>Processing</b>	Tone controls:	Yes
	High-pass filter:	150 Hz
<b>Configuration and control</b>	Configuration:	DIP switch, Front panel
	Priority:	Yes
	Music on hold:	Yes
	Chime tone:	Yes
<b>Protections</b>	Cooling:	Convection
	Short circuit:	Yes
	Thermal:	Yes
	DC:	Yes
	Fuses:	Yes
<b>Audio sources</b>	USB pen drives:	Yes
	SD card:	Yes
	Bluetooth:	Yes
<b>Power requirement</b>	Operating voltage:	220-240/115 V- 50/60Hz
	Voltage selection:	Internal
	Power consumption:	350 W
<b>Standard compliance</b>	Safety agency:	CE compliant



<b>Physical specifications</b>	Cabinet/Case Material:	Metal
	Color:	Black
	Rack mounting:	19", 2U
<b>Size</b>	Height:	88 mm / 3.46 inches
	Width:	442 mm / 17.4 inches
	Depth:	230 mm / 9.06 inches
	Weight:	5.4 kg / 11.9 lbs
<b>Shipping information</b>	Package Height:	200 mm / 7.87 inches
	Package Width:	500 mm / 19.69 inches
	Package Depth:	330 mm / 12.99 inches
	Package Weight:	6.45 kg / 14.22 lbs

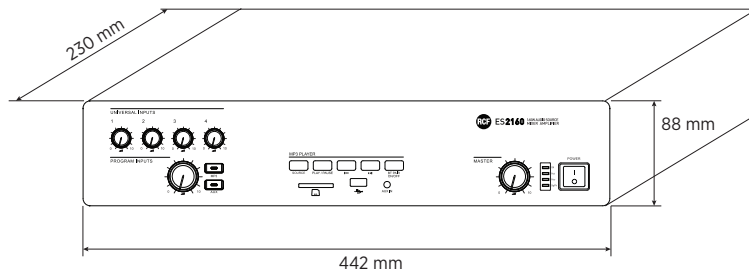
**PART NUMBER**

- **12100053**

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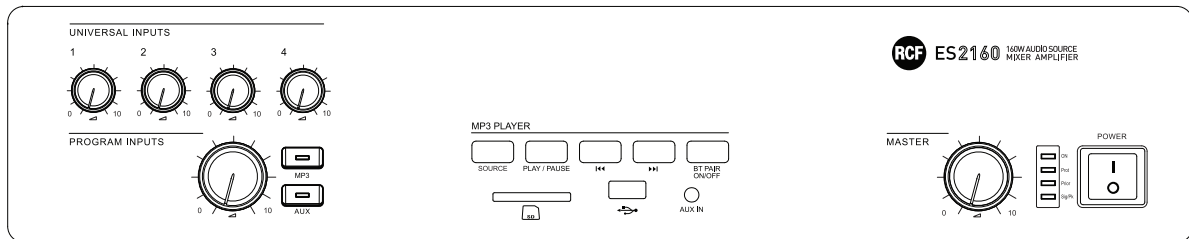
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**DRAWINGS**



**PANELS**

Front panel



Rear panel

