



## RE-2AS PUBLIC ADDRESS / VOICE ALARM



### Overview

The Ravel RE-2AS is a compact EN54-16 certified public address and voice alarm system that ensures a fast, safe and controlled emergency evacuation. RE-2AS is the most versatile and cost-effective PA/VA system. Thanks to its cutting-edge features, excellent audio quality and flexibility in minimum space. It has 2 class D amplifiers, 6 zones, 3 audio inputs, 6x6 audio matrix, DSP and LCD display. The system can be configured without software or PC. Thanks to the Plug and Set mode for PA/VA. Audio inputs and automatic mixing allow high versatility for PA use in small installations. RE-2AS has an EN54-4 battery charger and can operate with one 12V battery. This feature and its advanced power saving control reduce maintenance costs to the maximum. A wall & Rack innovative designs makes RE-2AS suitable for wall mounting and rack integration.



### Features:

- \* 3 audio inputs
- \* Up to 8 MPS-8Z multizone microphones or VAP-1 panels connected with CAT5 UTP cable.
- \* 2 class D amplifiers with two configurations for 100V/70V lines up to 500W.
- \* Digital audio matrix 6x6 expandable
- \* 4 pre-amp outputs for external PA amplifiers connection
- \* DSP: 3/7 band input / output parametric equalizer, loudness, Ravel sound enhancer, independent volume control per each input and output master.
- \* Access control by LCD display
- \* Control for up to 16 Ravel AT6 attenuators
- \* 8 + 2 GPIO ports, supervised for integration with Fire Alarm control panel.

### Voice Alarm / Emergency:

- \* Certified under EN 54-16, EN54-4 and EN 60849
- \* Failure detection and indication in all emergency functions.
- \* Fire Alarm control panel integration
- \* Double player for pre-recorded evacuation messages
- \* Manual control of emergency states with access control.
- \* emergency log
- \* Loudspeaker lines supervision
- \* line terminator without return for supervision
- \* Backup amplifier included
- \* 10 minutes storage for pre-recorded message.



## Technical Specification



Power supply	: 100 - 240V~ 50/60Hz
Power consumption	: 350W max / 100W at 1/8 output power
Frequency response	: 80 – 20000Hz +/-1dB
Signal to noise ratio	: SNR~95dB, A-weighted
Distortion factor	: <0.1% according to IEC 60268
Gain adjustment per channel	: -100dB +10dB, 1dB steps
DSP	: Integrated - 48 kHz, 24 bits - 344 MIPS
BGM audio inputs	: 1 x balanced audio 1 Vrms. 10 KΩ, 3 Pin, Euroblock type
Priority audio inputs	: 2 x balanced audio 1 Vrms. 10 KΩ, 4 Pin, Euroblock type (GPIO)
General control (GPIO)	: 2 x control I/O, 0-5 V, 100 Ω, in PRIO audio inputs
Ravel ACSI Bus	: 1 x balanced audio 1 Vrms. 10 KΩ, RJ-45 female, total 800m / 2624.7ft
ACSI-Link connectivity	: 2 x balanced audio 1 Vrms. 10 KΩ, RJ-45 female, total 800m / 2624.7ft
Pre-amp audio outputs	: 4 x balanced audio 1 Vrms. 100 Ω, 3 Pin, Euroblock type
Attenuators control	: 6 x override 24V DC, 6 x 30mA, 2 Pin, Euroblock type (4 pin connector)
Emergency control inputs	: 8 x 0 - 5V DC, monitored inputs, 2 Pin, Euroblock type (4 pin connector)
Emergency control outputs	: 2 x contact closure output, NO, max 60V DC 130mA, 2 Pin, Euroblock type (4 pin connector)
Virtual matrix	: 15 x 24 maximum
Amplifier	: 2 x 500W D class (250Wrms x 2) @ 70 / 100V. Min load 20 Ω
Backup amplifiers	: 1 backup amplifier with automatic priority according to EN 54-16r
Speaker line outputs	: 6 x 100V audio. Min. impedance: 20 Ω 500W (outputs 1 and 2), 80 Ω 120W (rest), 2 Pin, Euroblock type
Output power	: 500 W according to EN60065. 200 Wrms according to EN 54-16
Protection	: Over-temperature, infrasonic, short circuit, slow start-up, overload
Emergency power	: 181x76x167mm battery housing, up to 22Ah
Battery charger	: Integrated, smart charging up to 3 amperes
Display	: Backlit LCD 2 rows x 16 characters
Operation conditions	: -5 °C to +45 °C / 23 °F to 113 °F 5% to 95% relative humidity (without condensation)
Finish	: Materials : Fe y AL
Colours	: RAL7016 and RAL9005
Weight	: 7.5 Kg / 15.76 lb
Dimensions (W x H x D)	: 453mm x 88mm x 455mm / 18.2" x 3.46" x 18"
Accessories	: Male Euroblock connectors, installation screws, 4 x rubber foot

## RE-2AS BC CARD FOR BATTERY CHARGER

RE-2AS BC hardware	: μSD card
Dimensions	: 190 x 20 x 140mm : (W x H x D) 7.5 x 0.8 x 5.5"
Gross weight	: 0.1 Kg / 0.22 lb



