

ELV Dual Channel Digital Emergency Recorder & Player



Ensure Compliance and Automate Critical Emergency Communications

The **ELV RP2832** is a vital component for safety-critical Public Address and Voice Alarm (PA/VA) systems. This dual-channel unit combines automated emergency message playback with event recording, ensuring compliance with standards like SS546:2022. Featuring dual 7" touch screens, it allows easy configuration and status monitoring. Upon receiving triggers (e.g., from a fire alarm system), it automatically broadcasts pre-recorded messages with programmable delays and simultaneously records system audio (e.g., announcements, ambient noise). All events are logged with timestamps for traceability.



RP2832/R

Key Features

- **SS546:2022 Compliant:** Designed to meet stringent life safety standards.
- **Dual Functionality:** Combines automated emergency message playback (2 channels out) and event audio recording (2 channels in).
- **Automated Response:** Plays selected messages automatically upon receiving triggers (3 optically isolated inputs per function). Supports programmable delays for staged evacuation.
- **Comprehensive Recording:** Logs audio events continuously or on trigger (up to 30 days typical storage on 128GB USB, 16GB included). Logs faults and system events with timestamps.
- **Auxiliary Outputs:** Provides relay outputs (2 per function) to trigger external devices or signal status.
- **Clear User Interface:** Dual 7" touch screens for easy setup, monitoring, and playback.
- **Built-in Monitoring:** Includes monitor speakers with volume control for local audio verification.
- **System Integration:** Multiple communication ports (TCP/IP, USB, RS485, Wi-Fi, Bluetooth) for network integration and control.
- **Flexible Messaging:** Store multiple messages; broadcast different messages to Channel A & B simultaneously. 6 remote message trigger inputs available.

Applications

Mandatory for PA/VA systems requiring compliance with emergency communication standards in public buildings, commercial facilities, industrial sites, and transportation hubs. Ensures automated, reliable delivery of emergency instructions and provides essential event recording.

System Compatibility

- **Fire Alarm Systems:** Connects directly via optically isolated inputs.
- **IP PA Systems:** Integrates into the network via TCP/IP for status monitoring and potentially triggering. Audio outputs connect to amplifier/system inputs.
- **Amplifiers:** Audio outputs feed into main PA amplifiers (e.g., A-XXXD series) or mixer inputs (e.g., A-XXXR EMC input).
- **Controllers:** Can interact with IP2100/ST2100 controllers over the network.

Technical Specifications

Specifications*	RP2832
Description	Dual Channel Digital Emergency Event Recorder and Message Player
Model	RP2832 (Combines Recorder ER2832 & Player EP2832 functions)
Display	2 x 7" Touch Screen LCD (800x480)
Processor	1.2GHz ARM CPU
Storage	External USB up to 128GB (16GB included)
Audio Channels	2 x Recording Input, 2 x Pre-recorded Output
Alarm Inputs	2x3 Optically Isolated Alarm Inputs (e.g., Fire Alarm)
Remote Triggers	6 x Remote Message Select Inputs
Auxiliary Outputs	2x2 Relay Outputs
Communication	TCP/IP, USB, RS485, Wi-Fi, Bluetooth
Power Input	230V AC / 12-24V DC
Rack Mount	Yes, 3U (485W×260D×133H mm)
Compliance	SS546:2022

*Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
RP2832	Dual Channel Digital Emergency Event Recorder and Message Player