



MATRIX & CONVENTIONAL

Precision ROUTING Absolute CONTROL

- ▶ VOICE ALARM CONTROLLER
- ▶ MATRIX SYSTEM
- ▶ PAGING MICS
- ▶ BGM & EVAC PLAYERS
- ▶ EVAC / FIRE ALARM INTERFACE
- ▶ PRE-AMP MIXER & AMPLIFIERS
- ▶ AMP CHANGEOVER & LINE MONITORING
- ▶ ZONE SELECTORS & DECODERS
- ▶ POWER SUPPLIES & CHARGER



① INTRODUCTION

Amperes offers in-market systems to suit every installation, whether for budget-friendly or more advanced requirements. From simple PA setups to complex systems that comply with authority standards, we provide reliable solutions for clear and quality audio delivery. Because safety matters to all, our EVAC announcement systems are designed to broadcast critical messages promptly and efficiently through coordinated and controlled equipment.





CD1002
Integrated Dual Ch Media Player

CD1002 is a dual-channel professional integrated media player featuring independent outputs with a range of playback options, including dual USB ports, a CD/DVD player, a FM tuner and Bluetooth connectivity. It is an ideal solution for background music in retail stores, boutiques, and gyms, as well as for commercial PA and multi-zone audio systems.

Technical Specifications

Operating voltage	220 - 240V AC
Power consumption	15W (240V AC)
Channels	2
Playback media	CD / DVD / FM tuner / USB / Bluetooth
USB playback format	MP3
USB memory supported	32GB
FM radio reception	87.5 - 108 MHz (50kHz step)
FM memory preset stations	99
Output audio	RCA stereo line out (0 dBu, 0.775V)
Frequency response (CD)	20 - 20 kHz
S/N ratio	>80 dB
Distortion	<0.5% @ 1 kHz
Operating temperature	-10° to 45°C
Humidity	<85%
Dimensions (W x H x D)	482 x 44 x 365 mm
Net weight	2.85 kg



Key Features

- **Dual independent audio outputs** for simultaneous multi-zone playback
- Supports **dual USB, CD/DVD, MP3, FM tuner and Bluetooth**
- Up to **99 FM preset stations** with **dipole FM antenna** for better reception
- Composite **video output** for DVD playback
- Support **simultaneous music playback**
- **Remote controls** included

Packing Information

Carton size	520 (L) x 375 (W) x 130 (H) mm
Gross weight	4.05 kg
Qty/carton	1 unit per carton



IR1022
Internet Radio Player

IR1022 offers stable, high-quality internet radio streaming via LAN or Wi-Fi. It's the modern, reliable alternative to traditional FM, designed for effortless connection to your favorite online platforms, giving instant access to global streaming stations.

Technical Specifications

Operating voltage	220 - 240V AC, 50/60 Hz
Power consumption	2.5W at 240V AC
Display	2 x 16 character LCD display
Connectivity	LAN / Wi-Fi
Wi-Fi	2.4 GHz
Streaming bandwidth	128 kbps max
File format	MP3, AAC
Preset	16 stations
Controls	Front panel button & Web browser
Output audio	RCA stereo line out (0 dBu, 2.0V)
Frequency response	100 - 18 kHz
S/N ratio	>60 dB
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.40 kg



Key Features

- Streams radio stations via **Wi-Fi or LAN**
- More **stable** than conventional FM radio reception
- Up to **16 preset stations**
- **User-friendly interface** for operation
- Suitable for community or **closed-loop broadcasting networks**

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	3.0 kg
Qty/carton	1 unit per carton



Weekly Programmable Timer with LAN



PT1801 MK II offers advanced weekly scheduling for both Amperes iPX IP Paging and conventional PA systems. It is ideal for schools, factories, offices, etc.

Its web-based LAN interface allows for effortless remote management in which scheduling of various formats can be set from any PC.

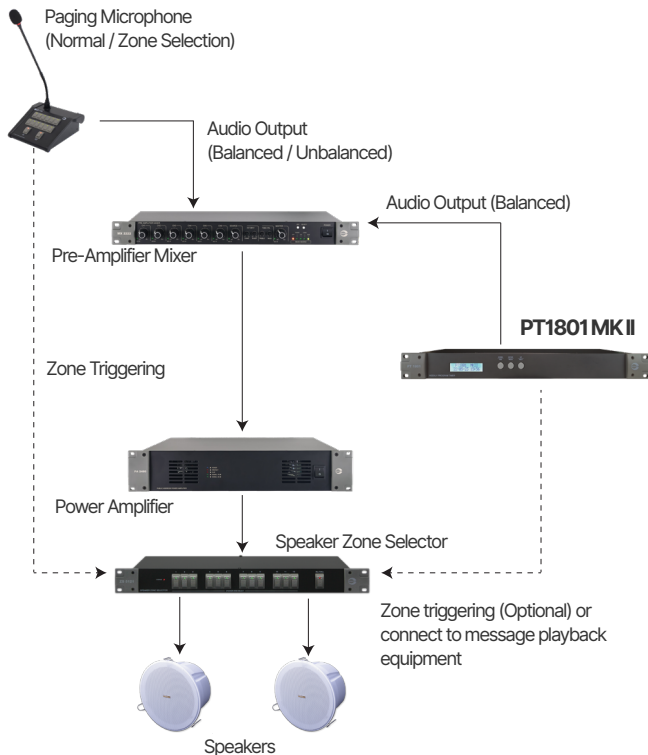
In conventional system, dry contacts are available for general purpose triggering with balanced line audio output.

You can stream the scheduled time or messages directly to iPX5155/5455 clients, IP speakers or amplifiers when used in Amperes iPX system.

Key Features

- LAN-ready weekly timer with user-friendly web interface
- Supports up to **1,000 programmable presets** with flexible scheduling
- **32GB internal storage** for thousands of audio files
- **8 dry contact outputs** for scheduled activations
- **1 balanced audio output**
- **World clock synchronization** for accurate timekeeping
- **RS485 port** for system integration
- Compatible with conventional and Amperes iPX Ethernet PA systems

Application Schematic for PT1801 MK II



Technical Specifications

Operating voltage	24V DC (0.5A)
Power consumption	Max: 4.5W (190mA) Standby: 1.2W (50mA)
Output channels	8 dry contacts
Output contact rating	3A
Contact connectors	Phoenix
Output triggering modes	ON, OFF, Pulse (3 seconds)
Output audio	Line out, +4 dBu balanced
Audio connectors	Mini Phoenix connectors
Output impedance	1k Ohm
Preset capacity	1000 presets
Internal memory bank	32GB
Indicators	LCD
Media files	MP3, WAV
Clock synchronization	World clock sync via PC
Clock backup	CR1220 button battery
RTC accuracy	± 2 ppm
Data connections	RS485: 19.2 kbps LAN: Ethernet 10/100 Base-T
Software interface	Web browser (Google Chrome & MS Edge)
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.0 kg

Packing Information

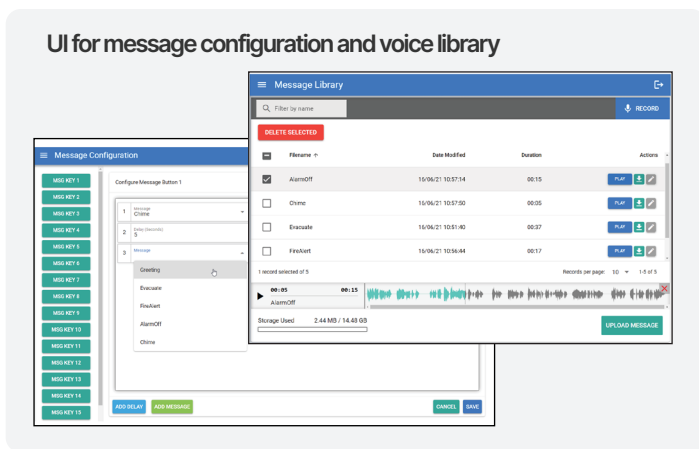
Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.60 kg
Qty/carton	1 unit per carton





MR1301 MK II was engineered for demanding EVAC applications for broadcasting pre-stored messages with a high-capacity memory bank capable of storing up to 16 message groups.

Users can trigger messages through front-panel buttons, RS485, or dry contacts. For seamless integration, it pairs with the Amperes FI6000 MK II Fire Alarm Interface and is fully configurable via a web-based interface.



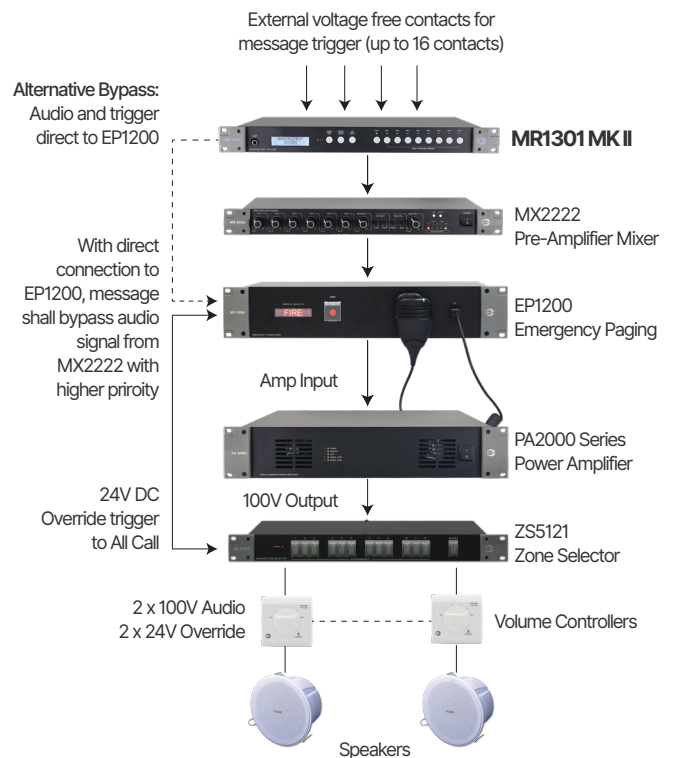
Key Features

- **Web-based** configuration with user-friendly GUI (PC or mobile access)
- **32GB storage** for large audio file capacity
- Message playback via **front buttons, RS485, or remote trigger**
- **16 preset memory banks** with multiple files per bank
- Priority message activation via **dry contact**
- Built-in **5-band graphic equalizer** with volume control
- **Event logging with time stamp** for each activation
- **RS485 port** for system integration and remote monitoring (PMX / iPX5500)
- **Backup and restore function** for files and settings

Technical Specifications

Operating voltage	24V DC (1A)
Power consumption	Idle: 1.7W Active: 2.4W DC
Current consumption	Idle: 70mA Active: 100mA DC
Message trigger	16 memory banks (front and rear)
Playback format	MP3, WAV
Playback delay	Yes
Priority message cut	Yes
Remote view/control	Yes
Indicators	LED at switches, 2 x 18 Character LCD
Memory	Internal 32GB SD memory card
Inputs	Line In: Unbalanced via RCA jack Mic In (Recording): 1/4" balanced phone jack
Data connection	RS485: 2-way mini Phoenix connector, 19.2 kbps LAN: RJ45, Ethernet 10/100 Base-T
Software interface	Web browser (Google Chrome & MS Edge)
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.30 kg

Application Schematic for MR1301 MK II



Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.95 kg
Qty/carton	1 unit per carton





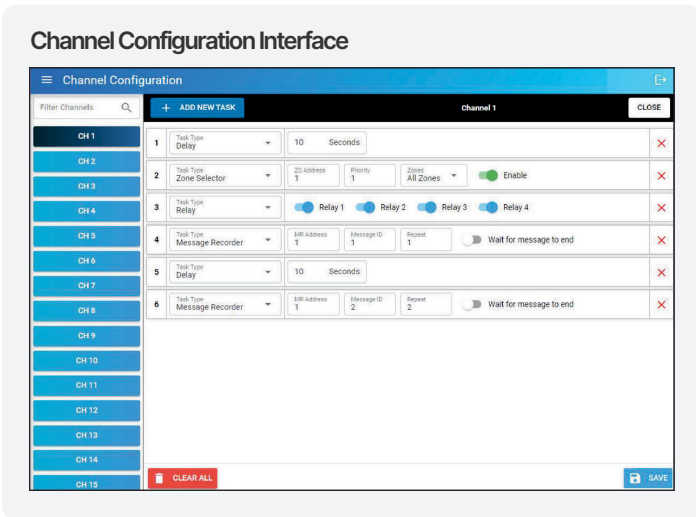
FI6000 MK II is a programmable fire alarm interface controller built for seamless integration with Fire Alarm Control Panels (FACP). It automates emergency responses by triggering instant alarms, clear voice messages, and targeted zone-based evacuation protocols the moment a signal is received through a dry contact.

Equipped with 24 programmable input contacts and intuitive configuration software, it offers precision control for any facility. As your needs grow, the FI6000 MK II scales with you; link a master unit with up to five FI6001 slave units to manage up to 144 channels, providing comprehensive safety coverage for even the largest commercial installations.

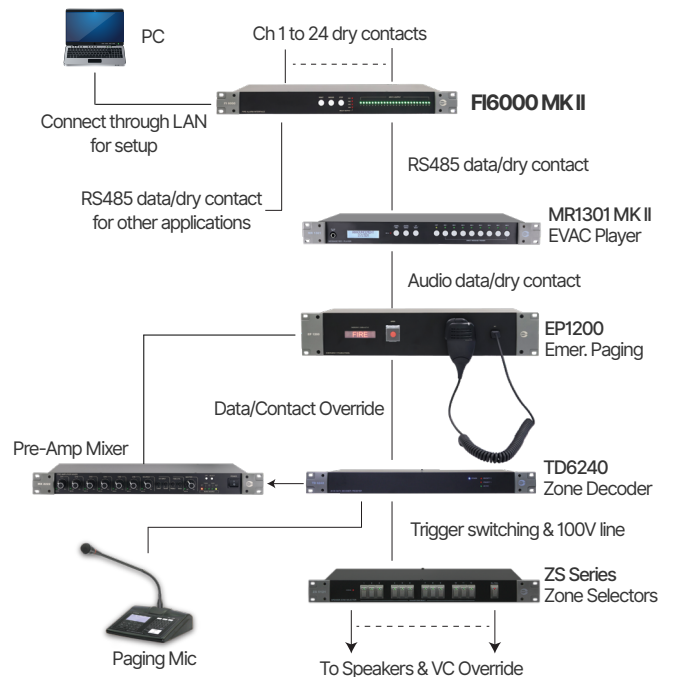


Key Features

- 24 dry contact inputs, expandable via FI6001 (slave)
- Programmable **phased evacuation, sirens and voice alerts**
- Bi-colour LED indicators for channel status monitoring
- RS485 and dry contact connectivity for integration with Amperes devices
- Convenience of setup directly through web browser



Application Schematic for FI6000 MK II



Technical Specifications

Operating voltage	24V DC (1A)
Power consumption (DC)	1W (Idle), 5.8W (Active)
Current consumption (DC)	40mA DC (Idle), 240mA DC (Active)
Inputs (Trigger)	24 channels (dry contact)
Max expandable unit (FI6001)	5 units (maximum of 144 channels)
Output channels	4 channels (dry contact)
Output contact rating	24V DC / 120V AC, 3A
Output contact models	ON/OFF
Contact connectors	Mini Phoenix
LED indicators	24 input channels LED indicators 4 relay contact LED indicators
Data connection	RS485: 2-way Phoenix connector, 19.2 kbps LAN: Ethernet 10/100 Base-T
Software interface	Web browser (Google Chrome & MS Edge)
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.15 kg

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.75 kg
Qty/carton	1 unit per carton





FI6001 is 24-ch dry contact extender designed to **expand the trigger input capacity of the FI6000 MK II** unit. It is ideal for large buildings with **multiple fire alarm zone** that require additional input channels for **phased evacuation control**.

Compliant with EN54 and BS5839 Part 8 for phased evacuation, it works seamlessly with Amperes zone decoders (TD6240/TD6400), zone selectors (ZS5121), sirens (EP1200), and EVAC message players (MR1301 MK II) for complete evacuation control.

Key Features

- 24 dry contact inputs for fire alarm and emergency triggers
- Expandable up to 144 channels with FI6000 MK II (master) via RS485
- Bi-colour LED indicators for channel status monitoring
- Runs on 24V DC with low power consumption
- Output contacts for activating external devices
- Rear reset button for quick reset and address setting

Technical Specifications

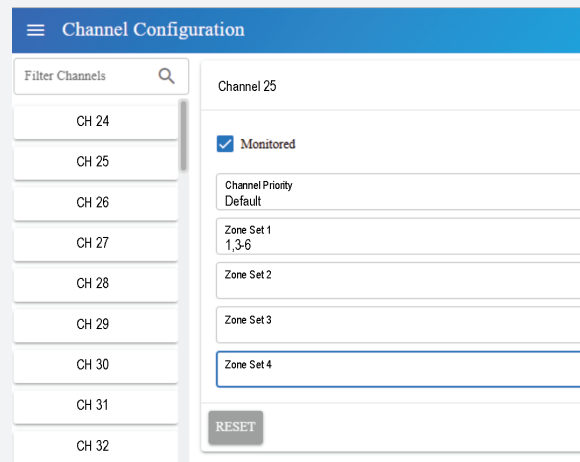
Operating voltage	24V DC (1A)
Power consumption (DC)	0.6W (Idle), 4.2W (Active)
Current consumption (DC)	25mA DC (Idle), 175mA DC (Active)
Data connection	RS485: 2-way Phoenix connector, 115.2 kbps
Inputs (Trigger)	24 channels (dry contact)
Output contact rating	24V DC / 120V AC, 3A
Output contact models	ON/OFF
LED indicators	24 input channels LED indicators
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.15 kg

Packing Information

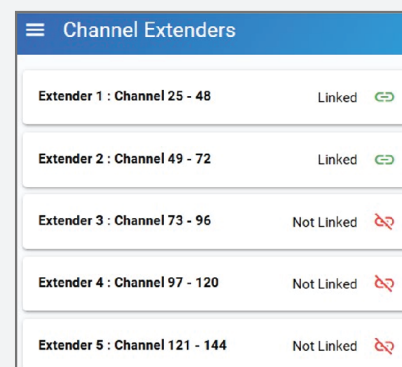
Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.70 kg
Qty/carton	1 unit per carton



Channel Configuration: Set monitoring, priority, and zone activation for each channel



Channel Extenders: Allows FI6000 MK II to connect with FI6001 units to expand channel capacity and display their connection status.



AR1400

Event & Audio Recorder



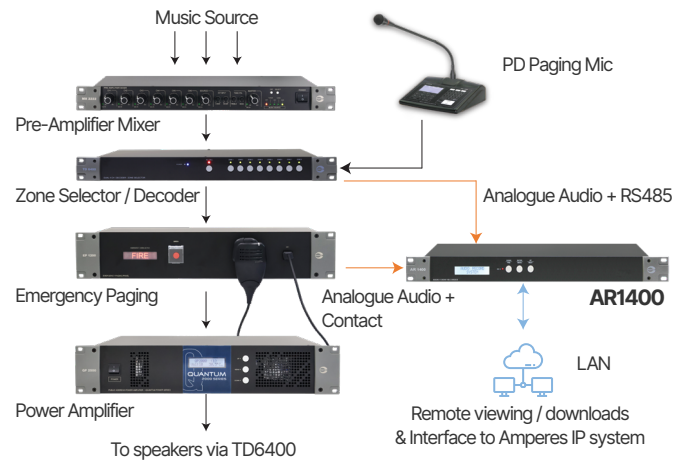
AR1400 is an audio and event recorder for conventional and Amperes iPX systems. It automatically records paging events with time stamps and stores hundreds of hours of audio. Suitable for fireman intercom systems, meeting rooms, it supports dry contact triggering and auto device detection.

With web browser access, NTP time sync, and CSV export, AR1400 provides simple and reliable audio recording management.

Key Features

- **Simultaneous recording** of 2 analogue inputs and iPX paging audio
- **Time-stamped** paging event logs
- RS485 port for **external triggers** and dry contact triggering
- **32GB** internal storage (up to 100 hours of audio and event logs)
- **NTP time** synchronisation for accurate event logging
- **Exportable event logs** and reports in CSV format
- **Web-based** setup and control via LAN (browser access)

Application Schematic for AR1400 (Analogue Recording)



Activity Logs: Available for both conventional and iPX system

Start Time	Duration (Seconds)	Call Type	Origin	Priority	Zones	Actions
31/10/2022 09:30:25	6	-	-	Highest	All Call	PLAY
31/10/2022 09:30:24	0	MSG Recorder	MR #1	-	MSG 1	PLAY
31/10/2022 09:30:15	4	-	-	Highest	All Call	PLAY
31/10/2022 09:30:11	3	MSG Recorder	MR #1	-	MSG 5	PLAY
31/10/2022 09:30:09	0	-	-	Highest	All Call	PLAY
31/10/2022 09:30:03	3	-	-	Highest	All Call	PLAY
28/10/2022 11:14:52	10	Paging	PD1240 #1	1	All Call	PLAY
28/10/2022 11:14:21	8	Paging	PD1240 #1	1	1	PLAY

File Manager: Allows direct playback of recorded voice file

Filename	Date Created	Duration	Actions
USER20221028160837(2)	28/10/2022 16:08:37	166:55	PLAY
USER20221028130631(1)	28/10/2022 13:06:31	184:43	PLAY
AMP20221028111452	28/10/2022 11:14:52	00:10	PLAY
AMP20221028111421	28/10/2022 11:14:21	00:08	PLAY
AMP20221028103701	28/10/2022 10:37:01	00:08	PLAY
AMP20221028103614	28/10/2022 10:36:14	00:08	PLAY

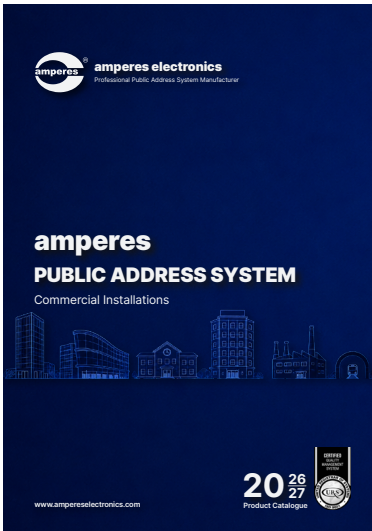
Technical Specifications

Operating voltage	24V DC
Power consumption (All triggered)	2.1W (0.09A)
Input channels	3 (including iPX)
iPX record initiation	Via iPX5101
Analogue input record initiation	Dry contact and RS485
Input level	Line: Balanced Max +4 dBu
Output controls	1
Storage media	32GB internal SD card
Recording duration	500 hours
Recording format	WAV, MP3
Indicators	LCD display
Communications	RS485: 19.2 kbps LAN: Ethernet 10/100 Base-T
Software interface	Web browser (Google Chrome & MS Edge)
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.20 kg

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.80 kg
Qty/carton	1 unit per carton





**2026/2027 Product Catalogue
Public Address System**

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