Outdoor, Wall Mount, Receiver, Message Broadcast Units with Flashing Beacons & Repeater Tx

ARX82-W-FB-R 2x Speakers & Audio Amplifiers
ARX83-W-FB-R 3x Speakers & Audio Amplifiers
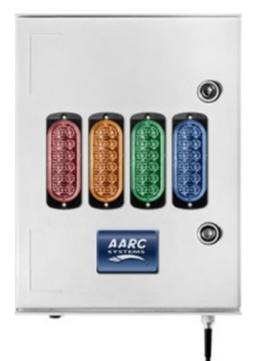**ARX84-W-FB-R** 4x Speakers & Audio Amplifiers

Providing any or all of the following alerts: EVACUATION, ALERT, LOCKDOWN, MULTIPLE FIRST AID ASSIST, MULTIPLE DURESS ASSIST and a variety of NATURAL DISASTER WARNINGS.

Outdoor Wall Mount, Standalone Units with Flashing Beacons and Repeater Transmitter are designed so that they can be mounted outdoors and in harsher indoor environments. The enclosures and the horn speakers are weatherproof, both rated to IP66.

For use in Education, Industry, Mining, Government, Education, Community, Leisure, Medical applications, etc.

The AARC-EVAC™ **ARX82-W-FB-R, ARX83-W-FB-R & ARX84-W-FB-R** Standalone Wireless Linked Emergency Alert Siren & Message Broadcast Units, incorporate an in-built Battery Backup UPS with Flashing Beacons & Repeater Transmitter. Are all fully self-contained making them ideal for use in locations where there is no existing PA system, or to cover areas not serviced by a PA system or as a full standalone network of units to provide for redundancy if the PA system fails for any reason.

When triggered the unit's Wireless Receiver activates standard emergency alert sirens, customisable audio messages and the appropriate coloured flashing beacon. The unit has multiple integrated audio amplifiers driving each of the 2, 3 or 4 horn speakers. The units are designed to operate as a single unit within an AARC-EVAC™ Wireless Emergency Alert Broadcast System, or as part of a network of self-contained AARC-EVAC™ Standalone units, creating a full Wireless Linked Emergency Siren & Message Broadcast System.

Units are triggered by wireless signals received from AARC-EVAC

- Handheld or Wall Mounted Alert Panel remote transmitters.
- A wireless signal received from an AARC-EVAC Wireless Signal Repeater Unit.
- The front panel buttons on an AARC-EVAC -PA system Transceiver, Message Player unit.
- An external interface unit EIU transmitter (usually triggered by a Fire Panel),or
- Another Standalone Unit, that has been supplied incorporating a Repeater Transmitter

There is an extensive range of emergency alerts, any or all, are available in a system, they include:

Pre-Evacuation Alert, Evacuation, Lockdown, Multi-Location Duress, Multi-Location FirstAid Assist, Cyclone, Bushfire, Lightning, Tsunami and more.

All these alerts include clear and concise voice instructions in any language or multiple languages, as required. All the alert sirens and voice messages are customer designated.

Evacuation   Duress   Lock Down   First Aid   All Clear   Alert   Drill

Specifications

ARX82-W-FB-R

Outdoor, Wall Mount, Receiver, Message Broadcast Unit,

ARX83-W-FB-R

Outdoor, Wall Mount, Receiver, Message Broadcast Unit &

ARX84-W-FB-R

Outdoor, Wall Mount, Receiver, Message Broadcast Unit, all include:

●Digital Wireless Receiver ●Message Player ●2x, 3x or 4x Audio Amplifiers ●UPS Backup Battery & Power Management System ●2x, 3x or 4x Speakers ●Wall Mounting Brackets ●Repeater Transmitter

- Radio Frequency Band: UHF 434MHz
- RF Input Sensitivity: -121dBm
- RF Output Power: 25mW ERP (Effective Radiated Power)
- Operating range: > 400m Open Air/Line of Sight
                                            Through & Inside Buildings – Range is dependent on the environment, obstacles, walls, structural materials used, etc.
                                            50-100m (Typical)

- Secure operation: Each system has unique codes (> 4 billion unique 32Bit digital codes available)
- RC Message Switches: Multiple Audio Sirens, Messages & Alerts, plus Cancel - Typically: Evacuation, Alert, Multiple First Aid Assist, Multiple Duress Assist, Lock Down, various Natural Disaster Warnings and All Clear
- Audio Message Format: MP3 Digital Audio Files
- Audio Message Storage: Micro SD Card
- Audio Amplifier Outputs: Max: 10W RMS @ 8 Ohms per Channel
- UPS Backup Battery: 12VDC 7.0AH SLA Battery
- Battery life: >3 years with average use
- Battery Replacement: 3yrs on Annual Maintenance Schedule – Recommended
- Power Supply/UPS Charger: Internal 110-240VAC – 15VDC Din Rail mounted Power Supply
- UPS Power Failure Run Time: Audio Amplifiers Systems running Full Rated Audio Power: > 2Hrs
  No Audio/Standby Use: > 36Hrs
- Antenna: External 325mm whip antenna with N connector
- Battery status warning: Red/Green dual colour LED lamp
- Unit Outdoor Enclosure: IP66 Rated, Polyester/Fibreglass
- Enclosure Size   400 x 300 x 210mm (plus antenna if fitted directly to unit)
- Flashing Beacons: RED, AMBER, GREEN, & BLUE, 12x3W LED each Beacon 36W max.
  Size: 28 x 112 x 10mm, Weatherproof: IP67, High Intensity LED's
  Construction: Aluminium Base, Optic Lens
- Horn Speaker Ratings: Power: 15W RMS 8 Ohm
  Sensitivity: 106dB @ 1W at 1.0M
  Size: 225 x 165 x 245mm

- **Country of Origin:**   **AARC-EVAC** **Designed & Manufactured in Australia**

The **AARC-EVAC™ OUTDOOR WALL MOUNT UNITS with FLASHING BEACONS & REPEATER** are supplied with 2, 3 or 4 **AARC-SC610** Horn Speaker . The following **Order Codes** represent the number of audio amplifiers available and the number of speakers supplied with each model.

ARX82-W-FB-R AARC OUTDOOR, WALL MOUNT, SYSTEM RX w/2x Horn Spks, Beacons & Repeater
ARX83-W-FB-R AARC OUTDOOR, WALL MOUNT, SYSTEM RX w/3x Horn Spks, Beacons & Repeater
ARX84-W-FB-R AARC OUTDOOR, WALL MOUNT, SYSTEM RX w/4x Horn Spks, Beacons & Repeater

Note: For larger systems the Unit can be supplied with an optional antenna cable and antenna mounting bracket for optimising antenna position.

TXANT-CABLE N-N1.0   AARC RG58 Cable with N Skt - N Plug 1.0Mtr
TXANT-CABLE N-N2.0   AARC RG58 Cable with N Skt - N Plug 2.0Mtr
TXANT-CABLE N-N3.6   AARC RG58 Cable with N Skt - N Plug 3.6Mtr
TXANT-CABLE N-N5.0   AARC RG58 Cable with N Skt - N Plug 5.0Mtr
TXANT-L-BRACKET   AARC Antenna L Mounting Bracket- Suit N Skt Base

Note: For antenna cable runs, where you need to get through tight places, down wall, through conduit, etc. the large "N" connector can cause issues. Antenna extension RF cables can be supplied with the small "SMA" connector fitted. An adaptor to convert the SMA connector back to an N connector is also available.

TXANT-CABLE N-SMA2.0	AARC RG58 Cable with N Skt - SMA Plug 2.0Mtr
TXANT-CABLE N-SMA3.6	AARC RG58 Cable with N Skt - SMA Plug 3.6Mtr
TXANT-CABLE N-SMA5.0	AARC RG58 Cable with N Skt - SMA Plug 5.0Mtr
TXANT-CABLE N-SMA10.0	AARC RG58 Cable with N Skt - SMA Plug 10.0Mtr
LE4091A	RF Plug Adaptor SMA Female Socket to N Male Plug

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