

## Outdoor, Wall Mount, Receiver, Message Broadcast Units



**ARX82-W-R** 2x Speakers & Audio Amplifiers

**ARX83-W-R** 3x Speakers & Audio Amplifiers

**ARX84-W-R** 4x Speakers & Audio Amplifiers

*Providing any or all of the following alerts:  
EVACUATION, LOCKDOWN, Multiple FIRST AID ASSIST,  
Multiple DURESS ASSIST and a variety of ALERTS  
including NATURAL DISASTER WARNINGS*

**Outdoor Wall Mount, Standalone Units with 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, Warehousing, Community, Leisure, Medical etc.*

The AARC-EVAC **ARX82-W-R, ARX83-W-R & ARX84-W-R** Standalone Wireless Linked Emergency Alert & Message Broadcast Units incorporate an in-built Battery Backup UPS and a Repeater Transmitter. They are fully self-contained making them ideal for use as a full standalone outdoor system or as part of an indoor/outdoor system. They can also be used to provide for redundancy if the PA System fails for any reason.

When triggered the unit's wireless receiver activates standard emergency alert sirens and customisable audio messages. 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 from AARC-EVAC

- Handheld or Wall Mounted Alert Panel Push Button Remote Transmitters
- A wireless signal received from an AARC-EVAC Wireless Signal Repeater Unit
- The front panel buttons on an AARC-EVAC Transceiver ARX 38D Message Player unit for PA System audio input
- 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:***

**Evacuation, Lockdown, Multi-Location Duress, Multi-Location First Aid Assist, Cyclone Bushfire, Lightning, Tsunami and more**

All these alerts and concise voice instructions can be in any language or multiple languages, as required. All the alert sirens and voice messages can be custom designated for the application.



Evacuation



Duress



Lock Down



First Aid



All Clear



Alert



Drill

## Part Numbers

**ARX82-W-R Outdoor, Wall Mounted, Receiver, Message Broadcast Unit with Repeater**

**ARX83-W-R Outdoor, Wall Mounted, Receiver, Message Broadcast Unit with Repeater**

**ARX84-W-R Outdoor, Wall Mounted, Receiver, Message Broadcast Unit with Repeater**

## 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

## Specifications

• <b>Radio Frequency Band</b>	UHF 434MHz
• <b>RF Input Sensitivity</b>	-121dBm
• <b>RF Output Power</b>	25mW ERP (Effective Radiated Power)
• <b>Operating Range</b>	>400m Open Air/Line of Sight Through & Inside Buildings - Range is dependent on the environment, obstacles,walls, structural materials used etc Typically 50-100m
• <b>Secure Operation</b>	Each system has unique codes (> 4 billion unique 32Bit digital codes available)
• <b>RC Messages Switches</b>	Multiple Audio Sirens, Messages and Alerts, plus Cancel Typically: Evacuation, Multiple First Aid Assist, Multiple Duress Assist, Lock Down, various Natural Disaster Warnings & All Clear
• <b>Audio Message Format</b>	MP3 Digital Audio Files
• <b>Audio Message Storage</b>	Micro SD Card
• <b>Audio Channels</b>	Up to 15 unique audio messages can be triggered in a system
• <b>Audio Amplifier Outputs</b>	Max: 10W RMS @ 8 Ohms per Channel
• <b>UPS Backup Battery</b>	12VDC 7.0AH SLA Battery
• <b>Battery life</b>	>3 years with average use
• <b>Battery Replacement</b>	1-2yrs on a Maintenance Schedule Recommended
• <b>UPS Battery Charger</b>	Internal 110-240VAC - 15VDC Din Rail mounted Power Supply
• <b>UPS Power Failure Runtime</b>	Audio Amplifiers Systems running Full Rated Audio Power: >2Hrs No Audio Output/Standby Mode : > 5 days
• <b>Antenna</b>	External 325mm whip antenna with N connector
• <b>Battery status warning</b>	Red/Green dual colour LED lamp
• <b>Unit Outdoor Enclosure</b>	IP66 Rated, Polyester/Fibreglass
• <b>Enclosure Size</b>	300(W) x 400(H) x 200mm(D) (plus antenna if fitted directly to unit)
• <b>Horn Speaker Rating</b>	Power: 15W RMS 8 Ohm Sensitivity: 106dB @ 1W at 1.0M Size: 225(W) x 165(H) x 245(D)mm
• <b>Country of Origin</b>	AARC-EVAC Designed & Manufactured in Australia