



Wireless Linked Emergency Alert Broadcast Systems

Indoor Receiver, Message Broadcast Units with Repeater Transmitter

ARX50-R Internal Speaker & 2x Audio Amplifier and Repeater Transmitter

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.

Indoor Standalone Units with Repeater Transmitter are designed to be mounted indoors, this unit has an internal speaker. It is supplied with 2x Audio Amplifiers, an extra Horn or Box speaker can be purchased separately if you wish to run a 2nd speaker of the unit.

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

The AARC-EVAC™ **ARX50-R** Standalone Wireless Linked Emergency Alert Siren & Message Broadcast Units, incorporates an in-built Battery Backup UPS and a Repeater Transmitter. They are 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 and customisable audio messages. The unit has multiple integrated audio amplifiers one driving its internal speaker and one available if a 2nd speaker is required. This can be horn or box speaker. 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 First Aid 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

ARX50-R Indoor Receiver, Message Broadcast Unit, with Internal Speaker. This unit includes:

• Digital Wireless Receiver • Message Player • 2x Audio Amplifiers • UPS Backup Battery & Power Management System • 1x Internal Speaker • Repeater Transmitter

- Radio Frequency Band: UHF 434MHz
- RF Input Sensitivity: -121dBm
- Repeater RF Output: 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
- Message Format: MP3 Digital Audio Files
- Message Storage: Micro SD Card

- Audio Amplifier Outputs: Max: 10W RMS @ 8 Ohms per Channel
- Internal Speaker: 15W RMS 8 Ohm , 88dB @ 1W at 1.0M
- UPS Backup Battery: 12VDC 7.0AH SLA Battery
- Battery life: >3 years with average use
- Battery Replacement: 3yrs on Annual Maintenance Schedule – Recommended
- UPS Battery Charger: 240VAC – 15VDC Plug Pack Adapter
- 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 & warning buzzer
- Size without antenna 250 x 325 x 140mm (plus antenna if fitted directly to unit)
- Country of Origin: **AARC-EVAC Designed & Manufactured in Australia**

The **AARC-EVAC™ ARX50-R** is supplied with 1x internal speaker, a 2nd external speaker can be added, the **AARC-SC610** Horn Speaker or the **AARC-S400** Box Speaker .

Order Code:

ARX50-R AARC INDOOR SYSTEM RX w/ 1x Internal Speaker and Repeater

Additional Speaker Optional:

Order Code:

AARC-SC610 AARC 15W RMS 8 Ohm Horn Speaker

AARC-S400 AARC 15W RMS 8 Ohm Box Speaker

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 etc. sometime the large “N” connector can cause issues. Antenna extension RF cables can be supplied with the small “SMA” connector We also supply an adaptor to convert the SMA connector to an N connector.

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

