

Indoor Receiver, Message Broadcast Units with Repeater Transmitter

ARX50-R Internal Speaker & Audio Amplifier and Repeater Transmitter

ARX52-R 2x Speakers & Audio Amplifiers

ARX53-R 3x Speakers & Audio Amplifiers

ARX54-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*

Indoor Standalone Units are designed to be mounted indoors, however the horn speakers are weather proof and can be mounted outdoors

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

The AARC-EVAC **ARX50-R, ARX52-R, ARX53-R & ARX54-R** Standalone Wireless Linked Emergency Alert & Broadcast units all incorporate a in-built Battery Backup UPS and integrated wireless signal repeater transmitter

They are fully self-contained, making them ideal for use as a fully independent standalone indoor system or for use as a part of an indoor/outdoor system. They can be used where there is no PA system installed or to fill black spots in an existing PA system. Systems have also been installed to provide an independent system for redundancy, if the existing PA system was to fail 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 units have multiple integrated audio amplifiers to match the number of speakers supplied with each unit. The ARX50 has one internal speaker, the other units come with 2, 3 or 4 speakers, dependent on the model. These can be Horn, Box or ceiling speakers or any mix as required. A system can be designed to operate as one single unit or can be designed as network of multiple 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:

Evacuation, Lockdown, Multi-Location Duress Assist, 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.

Specifications

• 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 Alerts Typically: Evacuation, Alert, First Aid Assist, Duress Assist, Lock Down, various Natural Disaster Warnings & All Clear
• Message Format	MP3 Digital Audio Files
• Message Storage	Micro SD Card

Specifications (cont)

• 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	1-2yrs on a 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 Playing / 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(W) x 325(H) x 140mm(D) (plus antenna if fitted directly to unit)
• Horn Speaker Specs: AARC-SC610	Power: 15W RMS 8 Ohm Sensitivity: 106dB @ 1W at 1.0M Size: 225(W) x 165(H) x 245(D)mm
• Box Speaker Specs: AARC-S400	Power: 15W RMS 8 Ohm Sensitivity: 88dB @ 1W at 1.0M Size: 198(W) x 150(H) x 128(D)mm
• Ceiling Speaker Specs: AARC-SC1690	Power: 25W RMS 8 Ohm Sensitivity: 98dB @ 1W at 1.0M Size: 240mm Dia x 160mm (D)
• Country of Origin	AARC-EVAC Designed & Manufactured in Australia



Evacuation



Duress



Lock Down



First Aid



All Clear



Alert



Drill

The AARC-EVAC ARX52-R is supplied with 2 speakers, these can be the AARC-SC610 Horn Speaker, the AARC-S400 Box Speaker, the AARC-SC1690 Ceiling Speaker, or a combination of any 2 speakers. The other units can use any combination of speakers as required. The following order codes represent the mix of speakers required.

Part Number	Number of Speakers	Evac	Alert	Duress	First Aid	Lockdown	Signal Repeater
ARX50	 Internal Speaker	✓	✓	✓	✓	✓	-
ARX52-xH-xB-xC	 	✓	✓	✓	✓	✓	-
ARX53-xH-xB-xC	  	✓	✓	✓	✓	✓	-
ARX54-xH-xB-xC	   	✓	✓	✓	✓	✓	-
ARX50-R	 Internal Spk w/ Repeater	✓	✓	✓	✓	✓	✓
ARX52-xH-xB-R-xC	 	✓	✓	✓	✓	✓	✓
ARX53-xH-xB-R-xC	  	✓	✓	✓	✓	✓	✓
ARX54-xH-xB-R-xC	   	✓	✓	✓	✓	✓	✓

Note: For the units supplied with the external speaker units, the customer can specify Horn, Box or Ceiling speakers or a mix of all by replacing the 'x' in the part number with the quantity of Horn (H), Box (B) or ceiling (C) speakers required.

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 walls etc. sometimes 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 back 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