# AARC EVAC™

## Wireless Linked Emergency Alert Broadcast Systems

# Outdoor, Solar, Pole Mount, Receiver, Message Broadcast Units with Flashing Beacons and Repeater

**ARX92-FB-R**  2x Speakers & Audio Amplifiers
**ARX93-FB-R**  3x Speakers & Audio Amplifiers
**ARX94-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 Solar, Pole Mount, Standalone Units with Flashing Beacons and Repeater Transmitter** are designed so that they can be pole mounted outdoors. 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™ **ARX92-FB-R , ARX93-FB-R & ARX94-FB-R** Standalone Wireless Linked Emergency Alert Siren & Message Broadcast Units, incorporates a Solar Power Supply, Battery Backup UPS, Flashing Beacons 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 part of 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 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 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

## ARX92-FB-R
### Outdoor, Solar, Pole Mount, Receiver, Message Broadcast Unit,
## ARX93-FB-R
### Outdoor, Solar, Pole Mount, Receiver, Message Broadcast Unit,
## ARX94-FB-R
### Outdoor, Solar, Pole Mount, Receiver, Message Broadcast Unit, all include:

●Digital Wireless Receiver  ●Message Player ●2x, 3x or 4x Audio Amplifiers  ●Solar Panel ●UPS Backup Battery & Power Management System  ●2x, 3x or 4x Horn Speakers  ●4 x Flashing Beacons  ●Repeater Transmitter  ●Pole Mounting Brackets

- Radio Frequency Band:    UHF 434MHz
- RF Input Sensitivity:    -121dBm
- Repeater 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, Poles, 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
- Solar Power Supply  Solar Panel 20W Vmp: 18V  Voc: 21.6V,  470*345*25mm, Pole Mounted
- 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 200mm (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**

**Note:**  **1. Pole Mounting SS Adjustable Straps are not included**
**2. Minimum Pole Diameter O.D : 100mm**
**3. Pole is not included**

The **AARC-EVAC™ OUTDOOR POLE MOUNT UNITS** 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.

**ARX92-FB-R**     AARC OUTDOOR, POLE MOUNT, SYSTEM RX w/2x Horn Spks, Beacons & Repeater
**ARX93-FB-R**     AARC OUTDOOR, POLE MOUNT, SYSTEM RX w/3x Horn Spks, Beacons & Repeater
**ARX94-FB-R**     AARC OUTDOOR, POLE 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-L-BRACKET**               AARC Antenna L Mounting Bracket- Suit N Skt Base

**AARC EVAC**™

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