AARC EVAC

Wireless Linked Emergency Alert Broadcast Systems

Indoor Repeater Transmitter

ATC61-R Repeater Transmitter

Providing a Repeater function to allow for extended RF wireless coverage in an AARC-EVAC network when require. The Repeater re-transmits codes for the following alerts: EVACUATION, ALERT, LOCKDOWN, MULTIPLE FIRST AID ASSIST, MULTIPLE DURESS ASSIST and a variety of NATURAL DISASTER WARNINGS.

Indoor Standalone Repeater Transmitter Units are designed to be mounted indoors, however the antenna can be mounted outdoors to gain better coverage if required. This will require the use of a TXANT-CABLE N-xxx and a TXANT-L-BRACKET. See page 3 below for option details.

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

The AARC-EVAC™ **ATC61-R** Standalone Wireless Linked Emergency Alert Repeater Transmitter Unit, incorporates an in-built Battery Backup UPS. 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 the processes the emergency alert codes and re-transmits them into the AARC-EVAC Network. The units are designed to operate as a wireless repeater unit within an AARC-EVAC™ Wireless Emergency Alert Broadcast System, or as part of a network of self-contained AARC-EVAC™ Standalone units, assisting to create 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 another 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 Receiver/Message Broadcast 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

ATC61-R Indoor Repeater Transmitter. This unit includes:

●Digital Wireless Receiver　●UPS Backup Battery & Power Management System　　●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, All Clear and Cancel Codes
- 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:　　240VAC – 15VDC Plug Pack Adapter
- UPS Power Failure Run Time:　　> 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**

Order Code:

ATC61-R   AARC INDOOR SYSTEM Repeater Transmitter

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

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AARC SYSTEMS

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AARC-EVAC™
Designed & Manufactured in Australia