



ARC - MKIII AUDIO REMOTE CONTROL



www.jotron.com



► ARC – MKIII AUDIO REMOTE CONTROL COMMUNICATION SYSTEMS

- 4 wire or 2 wire E&M operation
- Separate Main/Standby lines
- Selectable between transceiver or receiver and transmitter operation with separate lines for receiver and transmitter
- RJ45 Interface remote connectors with standard pin out, i.e it is possible to connect each remote receiver/transmitter or transceiver through a standard RJ45 cable (T-568B)
- Standard Jotron microphone connector (RJ45)
- Multiple ARC can be connected together (cascaded) with standard RJ45 cables
- Intercom capability between cascaded units
- Can be used alone or together with Jotron DRC/ORC remote control

The ARC is an Audio Remote Control that uses 4 wire E&M format to transfer RX audio, TX audio, PTT and squelch. The ARC has intercom-possibility; Several operators of the same radio can connect their ARC units in cascade as one master and several slave units. Simple intercom-facility is available between ARC's connected in a cascade.

The unit can handle Audio and PTT for two transceivers (i.e. main/standby pair). It has main/standby selection with alarm indication.

The cable length between the ARC and the radios depends on the quality of the audio lines, up to 1 200 meter (including the RS-485 bus) is normally achievable. The ARC can be used alone, as a single channel control for an Rx/Tx Main/Stby set, or together with Data Remote Control (DRC) or Operators Remote Control (ORC) for complete remote control of all operating aspects. The ARC has a built in loudspeaker, external loudspeaker amplifier as well as an output for headset, and voice recorder. The power supply has automatic switch-over from AC to DC if AC fails.

For communication over a two or four-wire leased telephone line the Jotron Audio & PTT Modem can be used.

SPECIFICATIONS

| | |
|---------------------------|---|
| Audio response: | +1 / - 3 dB rel. to 1 kHz, 300 - 3400 Hz. |
| Line output: | 245mV to 2,4V at 600Ω (-10dBm to +10dBm) |
| Line input: | 245mV to 2,4V at 600Ω (-10dBm to +10dBm) |
| Microphone input: | >5mV @ 200Ω |
| Audio output: | Internal and external speaker 3W @ 8Ω |
| Logic outputs: | Relay, dry contact that closes when active. |
| Logic inputs: | Optocoupler, activated by connecting to ground. |
| Operating temperature: | -20°C to + 55°C |
| Storage temperature: | -20°C to + 70°C. |
| Operating voltage: | 230 VAC ± 10% or 115 VAC ± 10% (Automatic switch between 115 and 230) 21,6 –31,2VDC |
| Power consumption: | < 10 W |
| Environmental conditions: | Operating temperature: -20°C to + 55°C |
| Humidity: | 90% at 40°C non-condensing. |
| Dimension: | (W,D,H) 106,3mm(21TE) x 227mm x 128,4mm (H). |
| Weight: | <1,55kg |



Agent/Distributor:

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice. Reservations are also taken towards any general errors that may occur.

v.A

www.jotron.com

CONTACT INFORMATION

Jotron AS
P.O.Box 54
3281 Tjodalving
Norway
Tel: +47 33 13 97 00
Fax: +47 33 12 67 80
sales@jotron.com

Jotron UK Ltd.
Crosland Park
Cramlington
NE23 1LA
United Kingdom
Tel: +44 (0) 1670 712000
Fax: +44 (0) 1670 590265
sales@jotron.com

Jotron Asia Pte. Ltd.
19 Loyang Way
Changi Logistics Centre
Rear Office Block 04-26
Singapore 508724
Tel: +65 65426350
Fax: +65 65429415
sales@jotron.com

Jotron USA, Inc.
10645 Richmond Avenue, Suite 170
Houston, TX 77042
USA
Tel: +1 713 268 1061
Fax: +1 713 268 1062
sales@jotron.com