RTS

RadioCom

Technical Data Sheet

Innovating the Future of Global Communications
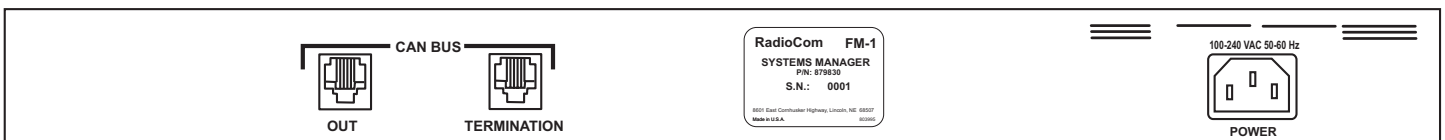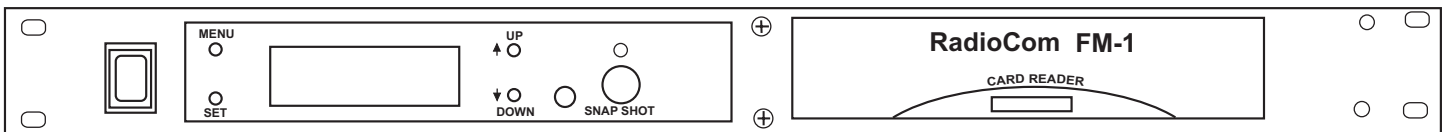
FM-1

System Manager

The FM-1 (Frequency Manager) interfaces with up to 10 BTR-1 base stations. The FM-1 talks to the bases via a CAN bus system. The CAN bus starts at the FM-1 and daisy chains through all the base stations and then back to the FM-1 to terminate. A DataFlash card is inserted in the card reader slot from which the FM-1 reads events. With the DataFlash card in the FM-1 the user can select an event on the card and download the selected event into the base stations. Events are created with a program called SMP (System Manager Program). SMP is a Windows compatible program that allows the user to configure a variety of system settings such as intercom line selection, intercom level settings, side tone level settings and frequency assignments.

Features

- Power Switch: Power switch is located on the front panel.

- Backlit Graphics LCD (Liquid Crystal Display): <MENU>, <SET>, <UP> and <DOWN> buttons. Used to select options on the LCD.

- Contrast Adjust: Adjusts the LCD's contrast.

- Snap Shot Button: Press and hold for two (2) seconds and the user will be asked to check if a DataFlash card is in the card reader slot. Press again and a snap shot of the BTR-1(s) will be taken. This will record frequencies and other important parameters of the BTR-1 system.

- Card Reader Slot: Slot where the 2MB DataFlash card is inserted.

- CAN Bus Out: This RJ-45 jack is where the CAN bus communication goes out to the first BTR-1 base station.

- CAN Bus Termination: This RJ-45 jack is where the CAN bus communication terminates from the last BTR-1 base station.

- Power: IEC receptacle. Accepts 100–240VAC, 50–60Hz.

- Easy system configuration with SMP software

- Compatible with BTR-1 intercom systems

Line Drawings

Specifications

Overall

Temperature Range
-4°F to 130°F (-20°C to 55°C)

Memory Card Type
DataFlash, 2MB Only

Event Storage
Up to 99 Events

Power Requirements
100–240VAC, 50–60Hz, IEC receptacle

Communication Bus
CAN Bus

Product Dimensions/Weight
Dimensions: 19in W x 1.72in H x 8.02in D
(48.3cm x 4.4cm x 20.4cm)
Weight: 3lb 9oz (1.62kg)

Shipping Dimensions/Weight
Dimensions: 23in W x 5in H x 16.5in D
(58.42cm x 41.91cm x 12.7cm)
Weight: 8lb (3.63kg)

Order Information

FM-1 • System Manager for up to 10 BTR-1 Base Station Transceivers

RTS
www.rtsintercoms.com