

AVAYA

M1050

RECORDER INTERFACE MODULE

DIGITAL & HYBRID USERS GUIDE

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PEC CODE: 8807-008



Description

The M1050 module incorporates a headset recorder interface, handset recorder interface, and a headset adapter (500A or 502C) into one module. The M1050 digital unit connects to the modular "AUX" jack of a digital set; the M1050 hybrid unit connects to a hybrid voice terminal. When used with digital sets an adjunct -48vdc power supply is required.

Operation

Two push button switches are located on top of the M1050. An LED in each button indicates if the switch is on. Pressing the "OFF HOOK" switch answers the call on the voice terminal. (Similar to lifting the handset.) Pressing the switch again turns off the adapter and disconnects the transmit and receive to the adapter, equivalent of going on-hook. The second switch is the "MUTE" switch. This switch mutes the 4 wire transmitter and handset transmit for privacy during a call.

Connections

The M1050 is equipped with modular jacks for most connections. The following jacks are provided:

AUX connects to the voice terminal AUX jack.

HANDSET connects to the handset of the voice terminal.

AUDIO TO RECORDER is a 4 wire line jack for recorder audio and recorder start closure.

AUDIO TO RECORDER phono jack connects to the mike input of cassette recorders.

4 WIRE AUDIO with OFF-HOOK CLOSURE provides a 4 wire broadcast audio interface with an off-hook signal output and remote off-hook input.

HEADSET is for 2 prong headsets.

MODULAR HEADSET is for modular electret type headsets.

SWITCH HOOK is the switch hook trigger input from the voice terminal switch hook logic.

TO VOICE TERMINAL connects the voice terminal's handset transmit and receive audio to the M1050.

Features

The M1050 has three option settings:

- 1 Vox enable.
- 2 Negative switch hook.
- 3 Beep tone.

Vox enable

Use the vox enable option in the absence of a switch-hook logic connection. The switch-hook option should be "OFF" if the vox enable is "ON".

When the vox enable is "ON", the recorder audio output of the M1050 is controlled by a solid-state relay that only passes audio to the AUDIO TO RECORDER jacks during the presence of audio. It has a holdover of 5 seconds.

Negative switch hook

This option determines the logic level detection of the voice terminal's switch-hook logic. "OFF" sets the logic for "+", "ON" sets the logic for "-".

If no connection is made to the switch-hook input a "+" setting leaves the recorder audio always on, a "-" setting leaves the recorder audio off.

Beep tone

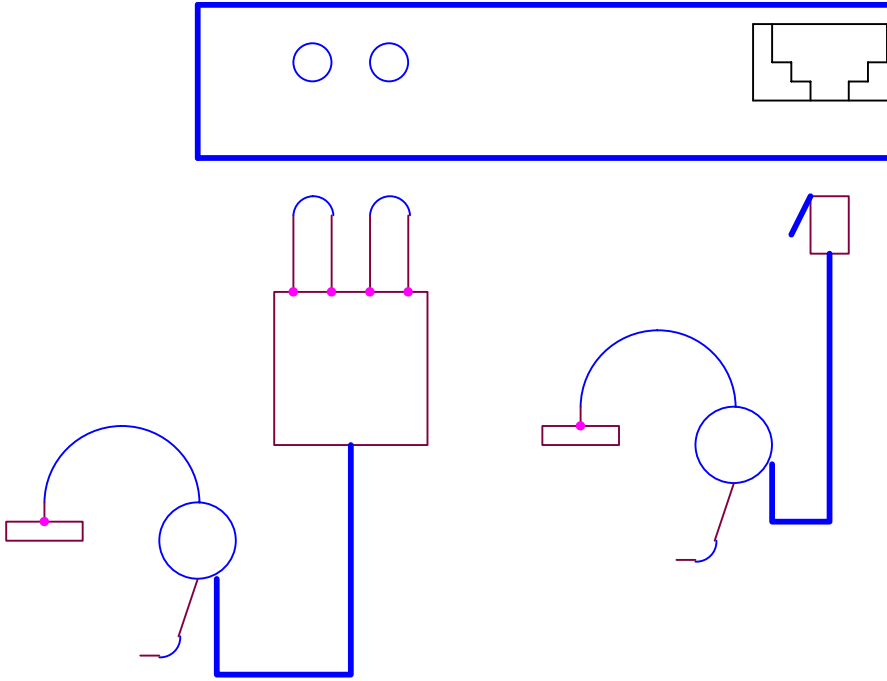
The beep tone produces a 200ms 1khz tone burst every 15 seconds. The tone is audible to both parties. Beep tone generation is dependent on the vox and switch-hook logic settings.

Radio interface

The 4 wire broadcast audio provides an interface between the operators Centracom II radio system and their telephone console through a single headset. The module is used with Motorola's Telephone/headset interface board. This allows the dispatcher to interface with radio traffic on a normal basis until a call on the telephone console is active.

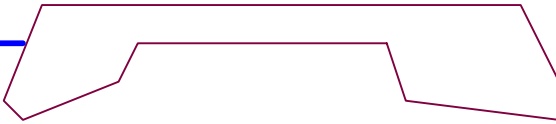
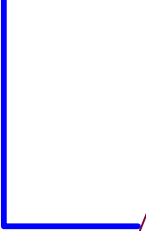
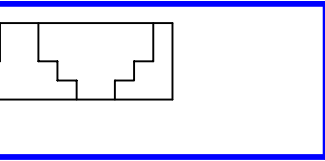
With Motorola's Telephone/headset interface board connected and Motorola's headset jack plugged in, the selected audio from the console speaker is routed to the headset earphone. When the M1050 "OFF HOOK" button is pressed, an off-hook condition is established on the telephone console. The telephone receive audio is

M-1050
FRONT VIEW



NOTES:

1. MODULAR HEADSET JACK ACTIVE ONLY WHEN M-1050 "OFF-HOOK" BUTTON IS TURNED ON.
2. WHEN USING A SINGLE HEADSET BETWEEN THE TELEPHONE AND MOTOROLA RADIO, THE HEADSET PLUGS INTO MOTOROLA CONSOLES HEADSET JACK.

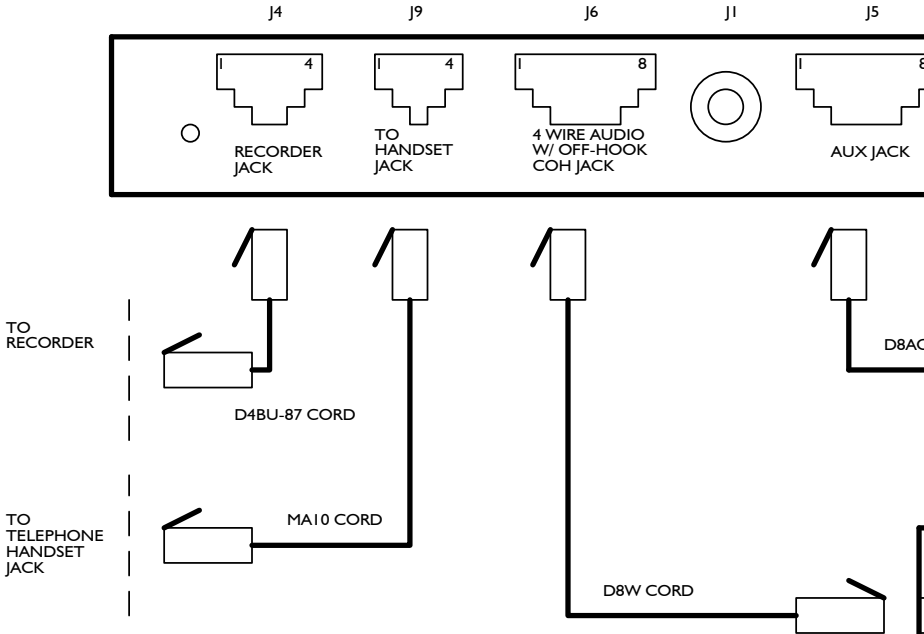


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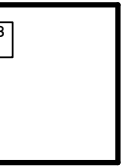
- 1] COMMON CONTACT
- 2] AUDIO TIP
- 3] AUDIO RING
- 4] N.O. CONTACT

- 1] RT
- 2] RR
- 3] OH INPUT
- 4] TR
- 5] TT
- 6] GND
- 7] COH GND (COMMON CONTACT)
- 8] COH (NORMALLY OPEN CONTACT)



RADIO INTERFACE

1. MOTOROLA CENTRACOM SERIES II MUST BE EQUIPPED WITH THE TELEPHONE/HEADSET INTERFACE BOARD.
2. PIN #7 & #8 OF THE 103 CONNECTING BLOCK PROVIDES AN OFF-HOOK CLOSURE WHEN THE M1050 OFF HOOK BUTTON IS TURNED ON.
3. TRANSMIT AND RECEIVE ARE ON PINS (1,2) & (3,4) OF THE 103 CONNECTING BLOCK.
4. WHEN SWITCHING BETWEEN TELEPHONE AND RADIO, THE HEADSET IS TO BE PLUGGED INTO THE RADIO CONSOLE HEADSET JACK.



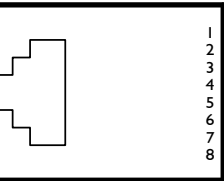
M1050
REAR
VIEW

C CORD



TO "AUX"
JACK OF
TELEPHONE

103 CONNECTING BLOCK



- 1 TT >
- 2 TR >
- 3 RT <
- 4 RR <
- 5
- 6
- 7 GND <
- 8 COH >

MOTOROLA'S
TELEPHONE/HEADSET
INTERFACE BOARD

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Avaya Communication

then routed to the earphone, while the radio select audio is routed back to the console speakers. For additional information on the Telephone/headset Interface board operation, consult your Material representative.

Specifications

GENERAL

SIZE.....7 6/8" X 4 3/8" X 1 3/8"

POWER REQUIRED.....-48 VDC .05 AMP

ACCESSORIES SUPPLIED

1ea. MA11 cable - 2ft. length. Modular handset plug to modular handset plug. Non-coiled.

1ea. MA10 cable - 1ft. length. Modular handset plug to bare ends, 4 conductor.

1ea. D8W-87-7 cable - cc# 103 786 786.

1ea. D8AC-87-7 cable - cc# 103 786 737.

1ea. D4BU-87-7 cable - cc# 102 479 904.

Specifications subject to change without notice.



Starcom Incorporated

3303 North Dixie Highway
Boca Raton, FL. 33431

phone: (561) 392-7001 ★ fax: (561) 392-7003 ★ email: info@starcom-inc.com ★ internet: www.starcom-inc.com