

# AVAYA

## MI1024

### 2420 INTERNAL RADIO INTERFACE

USERS GUIDE

COMCODE: 700 332 596

PEC CODE: 8807-053

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## *Description*

The MI1024 mounts inside the 2420 set. It provides a 4 wire analog interface between the 2420 set and a radio console that is equipped with a telephone interface. The MI1024 provides record audio with handset, speakerphone and radio interface use. Beep tone notification can be activated by an option switch.

## *Operation*

The headset feature button on the set activates the 4-wire radio interface. When the headset led is illuminated, the MI1024 activates audio transmission on the radio jack. Shorting pair 3 (pins 3 and 6) of the radio jack also activates the 4-wire radio interface and places the set off hook.

The radio interface provides a short as an off-hook indication on pair four. Record audio and beep tone are also active.

When the handset or speakerphone is in use, the MI1024 provides beep tone and record audio only.

## *Beep Tone*

The beep tone generator produces a 200ms 1400hz tone every 15 seconds. The tone is audible to both parties. It can be turned on or off with the beep tone switch, located beside the radio jack on the back of the set.

Move the switch to the right to turn the tone off. Moving the switch to the left enables the beep tone.

## *Limitations*

The headset jack should not be used when a 2420 set is equipped with a MI1024 module.

During speakerphone use, the radio jack interface becomes unusable. Record audio and optional beep tone are still provided for the speakerphone.

## *Power*

The MI1024 operates from 5vdc within the set.

## Wiring

### 4 wire radio jack

The radio jack is an 8-pin, 8-position modular jack (RJ-48) located on the back edge of the set. Some sets may have a short pigtail and plug. The pinout is the same.

2420D01A NEW 4-WIRE RADIO JACK PINOUT				
DESIGNATION	MODULAR JACK PIN #	TYPICAL 103 OR 104 BLOCK #	DEFINITY STATION WIRING CODE	PAIR
600 ohm balanced output (T) (radio receive)	1	3	white/orange	2
600 ohm balanced output (R) (radio receive)	2	4	orange/white	2
Off-hook input	3	5	white/green	3
600 ohm balanced input (R) (radio transmit)	4	2	blue/white	1
600 ohm balanced input (T) (radio transmit)	5	1	white/blue	1
gnd	6	6	green/white	3
Off hook closure (-)	7	7	white/brown	4
Off hook closure (+)	8	8	brown/white	4

### Line Jack

The recorder audio is transformer coupled to pair 2 of the line jack on the bottom of the set.

2420D01A EXISTING LINE JACK PINOUT				
DESIGNATION	LINE JACK PIN #	TYPICAL 103 OR 104 BLOCK #	DEFINITY STATION WIRING CODE	PAIR
Analog audio output for recorder (T)	1	3	white/orange	2
Analog audio output for recorder (R)	2	4	orange/white	2
—	3	5	white/green	3
Ring (R)	4	2	blue/white	1
Tip (T)	5	1	white/blue	1
—	6	6	green/white	3
-48vdc	7	7	white/brown	4
GRD	8	8	brown/white	4



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