



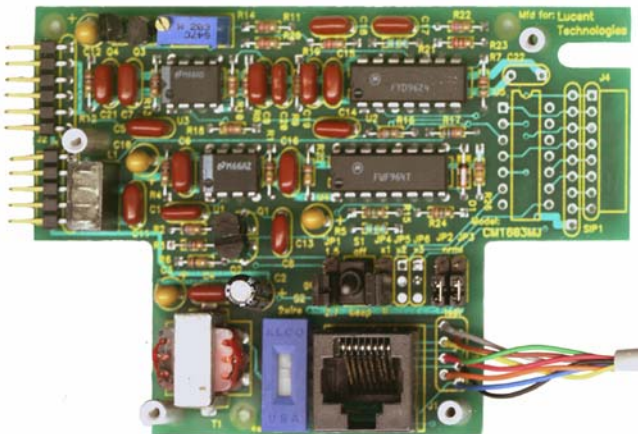
# CM1603MJ

## INTERNAL RECORDER INTERFACE MODULE

USERS GUIDE

COMCODE: 407 646 348

PEC CODE: 8807-001



## ***General***

Your Callmaster III console features a CM1603MJ recorder interface module. This module provides an analog audio output of voice communications for recording purposes. The CM1603MJ produces a "beep tone" to remind the callers that the line is being recorded.

This module is factory installed inside the Callmaster III console, requiring no user installation. The user is responsible for providing the recording equipment, and for any cabling between the recorder and the voice terminal as required by the recorder.

## ***Connections***

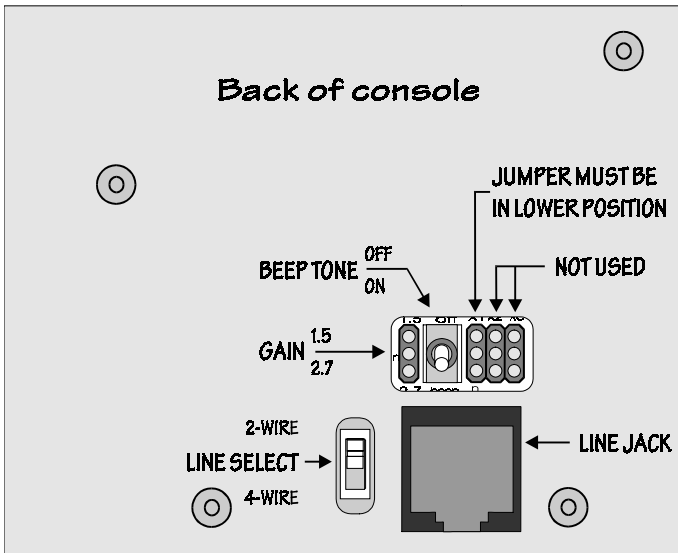
A new modular line jack on the rear of the Callmaster III console replaces the original line jack under the console. The new line jack provides all the same connectivity as the original line jack plus it provides the audio output for recording. Note that the CM1603MJ uses the original line jack.

## ***Settings***

The audio output uses a spare pair in the line jack. This pair is not the same on a 2-wire port circuit and a 4-wire port circuit. Determine which type of a port circuit pack you are connecting to, and set the switch to the left of the new line jack to match your installation. Select a gain setting that best matches your recording device. You may want to make several test recordings to determine which setting (higher or lower) works best for your application. The volume control on the Callmaster III also changes the output audio of the CM1603MJ. If you consistently use a low volume setting, try the high (2.7) setting on the CM1603MJ. Conversely, if you use a high volume setting on your Callmaster III try the low (1.5) setting.

The beep tone is factory set to "on". If your installation is correct, the beep tone should be audible in the handset and on the recording. You may use the beep tone to verify that everything is functioning properly, then turn the beep tone off if you do not require it.

Use the following illustration to locate the line jack and set the switches.



TOGGLE SW: ON = BEEP      LINE SELECT: UP = 2-WIRE  
 OFF = NO BEEP          DOWN = 4-WIRE

**BOLD SETTINGS ARE FACTORY DEFAULT.**

### Modular line jack

#### 2-wire configuration

Use this table to connect to a 2-wire port circuit pack. The recorder audio connections are shown in bold.

DESIGNATION	VOICE TERMINAL NEW LINE JACK #	TYPICAL 103 OR 104 BLOCK #	DEFINITY STATION WIRING CODE	PAIR
Analog audio out- put for recorder (T)	<b>1</b>	<b>3</b>	<b>white/orange</b>	<b>2</b>
Analog audio out- put for recorder (R)	<b>2</b>	<b>4</b>	<b>orange/white</b>	<b>2</b>
—	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

## 4-wire configuration

Use this table to connect to a 4-wire port circuit pack.  
The recorder audio connections are shown in bold.

DESIGNATION	VOICE TERMINAL NEW LINE JACK #	TYPICAL 103 OR 104 BLOCK #	DEFINITY STATION WIRING CODE	PAIR
Terminal transmit tip (TXT)	1	3	white/orange	2
Terminal transmit ring (TXR)	2	4	orange/white	2
Private branch ex- change transmit tip (PXT)	3	5	white/green	3
<b>Analog audio output for recorder (R)</b>	<b>4</b>	<b>2</b>	<b>blue/white</b>	<b>1</b>
<b>Analog audio output for recorder (T)</b>	<b>5</b>	<b>1</b>	<b>white/blue</b>	<b>1</b>
Private branch ex- change transmit ring (PXR)	6	6	green/white	3
-48vdc	7	7	white/brown	4
GRD	8	8	brown/white	4

## Specifications

**SIZE** .....internal  
**WEIGHT** .....56 grams  
**OPERATING VOLTAGE** .....5vdc  
**POWER CONSUMPTION** .....5mA  
**AUDIO OUTPUT (terminated w/600 ohms; volume low to high):**  
1.5 .....-52 to -31dBm(+2dB)  
2.7 .....-47 to -27dBm(+2dB)  
**BEEP TONE** .....1400Hz 200ms burst; 12 sec. interval.

Specifications subject to change without notice.



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