M6500P v5

RECORDER INTERFACE MODULE

USERS GUIDE

COMCODE: 406 631 739

PEC CODE: 8807-006

General

The M6500Pv5 recorder interface module provides an analog audio output of voice communications for recording purposes. It is designed to operate with 6500 and similar series voice terminals that use “K” type handsets. The M6500Pv5 produces a "beep tone" to remind the callers that the line is being recorded. An output closure allows remote switching of external devices. Easy to set dip switches control the output level, beep tone, and switch hook logic.

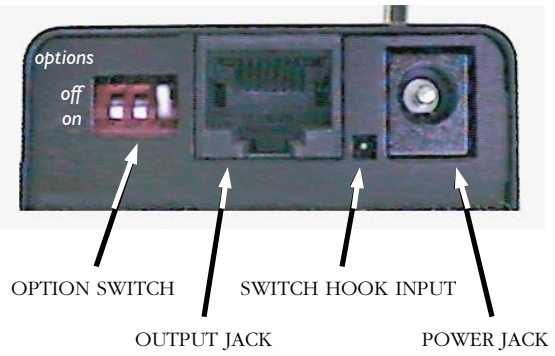
Setting the options

The options on the M6500Pv5 are set by a 3 position dip switch. The factory default settings are: 1 on; 2 on; 3 off.

Option switch configuration table.

OPTION	SWITCH NUMBER	SETTING	RESULT or FUNCTION
OUTPUT LEVEL	1	OFF	MICROPHONE LEVEL
		ON	**TELEPHONE LEVEL**
BEEP TONE	2	OFF	INACTIVE
		ON	**ACTIVE**
SWITCH HOOK	3	**OFF**	**POSITIVE or NO INPUT**
		ON	NEGATIVE INPUT
FACTORY DEFAULTS ARE SHOWN IN BOLD			

End view of the M6500pv5. Note the default option switch settings.



Quick Start!

Check that the factory defaults are still set. From LEFT to RIGHT the switches should be set as: down, down, up. Toggle the switches up or down as required to match this configuration.

Phone Connection

Unplug the handset cord from the voice terminal and insert it in the modular handset jack on the M6500Pv5. Connect the "pigtail" from the M6500Pv5 to the handset jack on the voice terminal.

Recorder Connection

Connect a D8W modular cord to the output jack on the M6500Pv5. Connect pair 1 of this cable to the appropriate input jack of the recorder, such as a "MIC" or "LINE" input.

Power

Connect the AC adapter to the POWER jack on the M6500Pv5.

Record a Call

Set the recorder to record. Place a call as normal. An audible beep should be heard every 12-15 seconds. When the call is complete, turn off the recorder. Verify that a recording has been made.

Routine Installation

Voice Terminal Connections

If you use the switch hook feature, connect the switch hook lead before mounting the M6500Pv5. See the "Installing the switch hook lead" section.

Remove the existing handset and cord from the voice terminal.
Place the M6500Pv5 so it's handset plug will reach the handset jack on the voice terminal. Adhesive strips are provided for attaching the module to the voice terminal.
Insert the pigtail plug from the M5600Pv5 to the handset jack on the voice terminal.
Connect the handset cord to the modular handset jack on the M6500Pv5.

Audio to Recorder

The audio output is on pair 1 of the RJ-48C jack. It connects to a high impedance recorder input. Use option switch 1 to set the output level.

Power

Connect the AC adapter to the POWER jack on the rear of the M6500Pv5.

Beep Tone

The M6500Pv5 produces a beep tone audible to both parties for recording notification. The beep tone is a 200ms 1390Hz tone burst every 12-15 seconds. The beep tone may be turned on or off with switch 2.

Installing the switch hook lead

The switch hook lead controls the remote contact closure output. It is not required for recording a conversation.

Be sure to leave this switch in the off position if you are not using the switch hook feature.

Set option switch 3 for the type of trigger input: off for a positive trigger or on for a negative trigger. If you are not using this feature, be sure to leave it in the off (up) position or the beep tone will not function.

Switch-hook is a logical output from the voice terminal which follows the condition of the handset (on hook or off hook). It may be positive logic (ground on hook, +5v off hook) or negative logic (+5v on hook, ground off hook). The MA18 trigger lead supplied with the M6500Pv5 must be soldered to the point in the voice terminal that provides this "trigger".

Contact Lucent Technologies (1-800-225-6907) to obtain a sketch indicating connection point for the specific voice terminal you are using.

Route the bare end of the trigger lead into the voice terminal base. Solder the lead to the "switch-hook" logic connection point; this point will be indicated on the sketch for specific voice terminal.

A low wattage, pencil tipped soldering iron, and small diameter multicore solder (.028 or .032 inch) are required.

The tinned trigger lead wire should be trimmed to approximately 3/64 to 1/16 inch length before "tack" soldering to the P.C. board solder pad location. The solder pad will probably already have a component lead soldered in place. The added connection will be placed on the existing solder and heated momentarily to flow

the solder on the wire together with the solder on the component solder pad. Do not allow solder to flow to other solder pads.
The wire you have connected should be secured to prevent strain on the soldered connections using a small tie-wrap or electrical tape. Re-assemble the set taking particular care to be sure the hook switch plunger and spring(s) are installed correctly if they have been removed or disturbed.
The connector on the end of the switch hook lead connects next to the power jack on the rear of the M6500Pv5.

Output Jack

A standard D8W or similar type cord is used to connect to the output jack on the M6500Pv5. 2 pairs are used for output:

1] Pair 1 (pins 4 & 5) is the analog audio for recording.

2] Pair 2 (pins 1 & 2) is a contact closure for remote switching of recording equipment. It is an optically isolated solid state type of switch. This feature requires a switchhook trigger connection.

OUTPUT JACK WIRING			
PIN	**DESIGNATION**	**PAIR**	**DEFINITY STATION WIRING CODE**
1	closure, common	2	white/orange
2	closure, n.o. contact	2	orange/white
3	not used	3	white/green
4	Audio output (T)	1	blue/white
5	Audio output (R)	1	white/blue
6	not used	3	green/white
7	not used	4	white/brown
8	not used	4	brown/white

Applications

The M6500Pv5 RIM is primarily designed for use with "K" type handsets, having electret microphones. The Merlin MLX series voice terminals use this type of handset. Other voice terminals equipped with "K" type handsets may work with the M6500Pv5 RIM. The M6500Pv5 will not work on sets having carbon type microphones.

Specifications

GENERAL

SIZE.....2.4"L x 2.05"W x 0.78"H

WEIGHT.....2.0oz

OPERATING VOLTAGE.....5vdc

POWER CONSUMPTION

Minimum.....2.13mA

Typical.....2.19mA

Maximum.....4.36mA

AUDIO OUTPUT

MIC LEVEL.....15dB Loss (+-1dB)

TELEPHONE LEVEL.....0dB Loss (+-1dB)

BEEP TONE.....1390Hz; 200ms burst; 12-15 sec. interval.

INSERTION LOSS.....Less than .25dB

ITEMS INCLUDED

1ea. MA5 power supply: wall plug style, 115vac input, regulated 5vdc output.

1ea. MA18 switch hook lead: 15" length, single lead, pin jack to bare end.

OPTIONAL ITEMS

1ea. MA20 cable: 3 ft length. 1/8” mini phone plug to RJ45 modular plug, pair 1.

Specifications subject to change without notice.

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