

AVAYA

M1010E

RECORDER INTERFACE MODULE

USER'S GUIDE

COMCODE: 405 247 255

PEC CODE: 8807-021



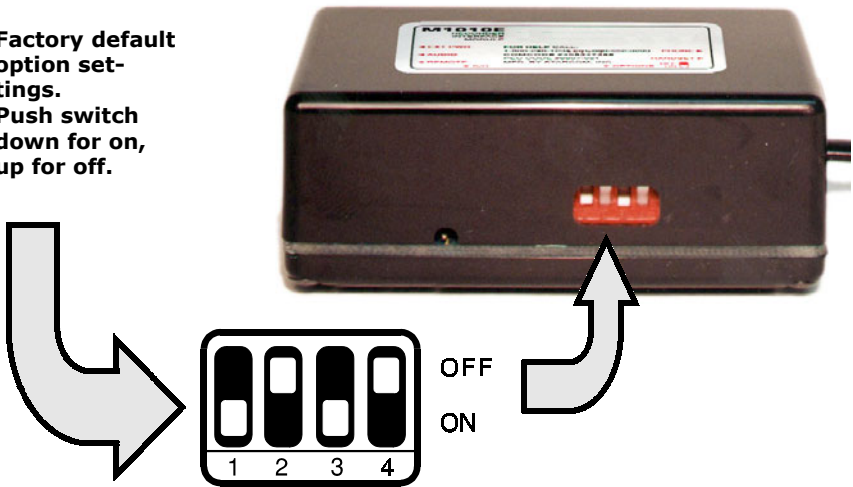
General

This guide describes the hookup and features of the M1010E recorder interface module. The M1010E Recorder Interface Module connects between a voice terminal and your recorder. It provides the recorder with the analog signal necessary for recording voice communications on 7000 and similar series telephones. In addition to the audio (voice) output, the M1010E inserts a "beep tone" into the conversation to alert and remind both parties that the call is being recorded. Except for the recorder, no additional equipment is required to record conversations from your voice terminal. The M1010E's features include: remote switching, on-hook muting, switchable gain (hi / low), and a beep tone.

Setting the options

All of the options on the M1010E are selected by the 4 position dip switch accessed through the slot in the side of the case. The factory default settings are: beep tone on and normal output level. The factory settings are shown below.

Factory default option settings. Push switch down for on, up for off.



Quick Start!

Check that the factory option settings are still set. Four switches are used to select various options, and are visible through the slot on the side of the case. From LEFT to RIGHT (1 TO 4) the switches should appear as shown. Toggle the switches up or down as required to match this configuration.

Phone Connection

- 1 Unplug the handset cord from the voice terminal, and insert it in the modular jack on the M1010E.
- 2 Connect the "pigtail" from the M1010E to the handset jack on the voice terminal.

Recorder Connection

- 1 Connect the audio cable (mini-phono type) to the center jack on the rear of the M1010E.
- 2 Plug the audio cable into the appropriate input jack of the recorder, such as a "MIC" or "LINE" input.

If you are connecting to a remote recorder such as a data logger, use the mini-phono connector supplied to connect to the M1010E to any 2-wire cable.

Record a Call

Set the recorder to record. Place a call as normal. An audible beep should be heard about every 15 seconds.

When the call is complete, turn off the recorder. Verify that an adequate recording has been made.

Routine installation***Voice terminal connections***

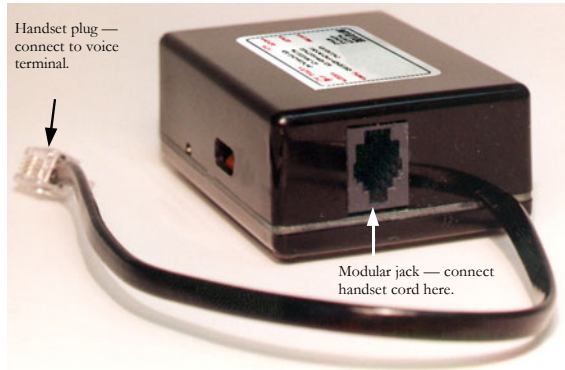
Place the module in a location which allows its handset plug to reach the handset jack on the voice terminal. Adhesive strips are provided for attaching the module to the side of the voice terminal, or other suitable surface.

Please note that if you plan to use the switch hook to activate additional features, you may wish to connect the switch hook lead to the voice terminal before mounting the M1010E, since it will be necessary to open the voice terminal to attach the switch hook lead.



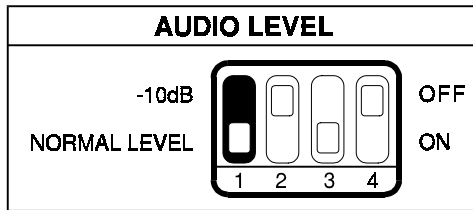
- 1 Remove the existing handset and cord from the voice terminal and plug it into the modular jack on the M1010E.
- 2 Connect the handset plug from the M1010E "pigtail" to the handset jack on the voice terminal.

The modular jack and plug connect between your handset and voice terminal.



Audio to recorder

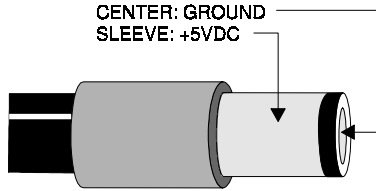
The module bridges the receive pair. This monitors both the caller audio and the side tone from the attendant. Audio output is via a mini-phonon jack on the rear of the unit. It is a 600 ohm output with a switchable level. Connect a mini-phonon plug from this output to the recorder's input. Option switch 1 sets the output level.



Power

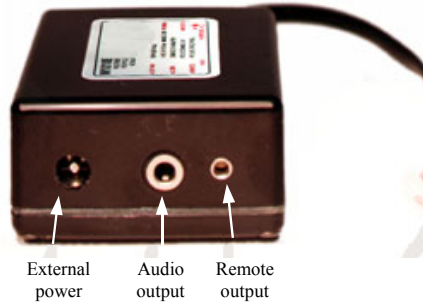
Normally, the M1010E obtains its power from the voice terminal through the handset cord, and requires very little current to operate. Some sets, however, may not be able to supply enough current for the M1010E to function. In this case, operate the M1010E from an external power source. Connection of the external power plug automatically disconnects the M1010E from the voice terminal power. Any supply capable of supplying 5 or 6 volts REGULATED

Typical power plug.



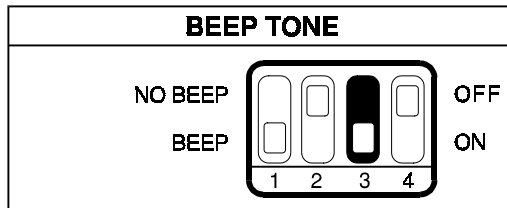
DC at 50mA minimum may be used. Before connecting, insure the polarity matches the polarity as shown. Connect the supply to the EXT PWR jack on the M1010E.

These jacks connect to your recorder and external power.



Beep Tone

The M1010E includes a switchable beep tone generator. When enabled, it produces a 200ms 1kHz tone burst every 15 seconds. The tone is audible to both parties. The default setting for the beep tone is on, but it may be turned off. Option switch 3 controls the beep tone feature.



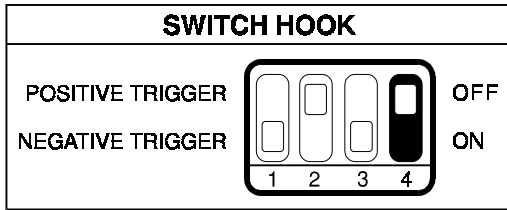
Switch hook

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). In either case, the small single wire supplied with the M1010E must be soldered to the point in the voice terminal which provides the positive or negative logic "trigger". Contact Lucent Technologies to obtain the sketch indicating where to connect the trigger lead. Be sure to have the complete model number of

the voice terminal you are using to receive the proper sketch. See the "Help!" section for details.

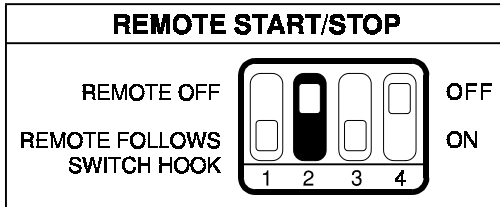
The connector on the end of the switch hook lead pushes onto the recessed pin just left of the option switch on the M1010E. This input impedance is high to work with digital or hybrid sets.

Set option switch 4 for the type of trigger input -- "off" for a positive trigger, "on" for a negative trigger.



Remote start/stop

If you are using switch hook to start and stop the recorder automatically, connect a sub-mini phono cable between the remote jack on the M1010E and the recorder's remote input. Option switch 2 activates the remote feature. The remote output follows switch hook, providing a low impedance across the remote leads when the voice terminal is off hook.



Help!

If you have difficulty installing your M1010E, or if you require a sketch to connect the switch hook trigger lead, please contact:

Avaya Communication @ 1-800-225-6907

If you are calling for a sketch, please have the model number of the voice terminal you are using or plan to use.

**The M1010E
will fit under-
neath a BIS-
10.**



Specifications

SIZE 2.86"L X 1.98"W X 1.05"H

WEIGHT 2.5oz

POWER CONSUMPTION @ 5VDC:

TYPICAL 1.4 mA

MAXIMUM 3.3 mA

AUDIO OUTPUT (with handset mike inputs):

LOW -30dB (+-1dB).

HIGH -20dB (+-1dB).

BEEP TONE 1kHz 200ms burst at 15 second intervals.

INSERTION LOSS Less than .5dB.

Specifications subject to change without notice.

ACCESSORIES INCLUDED

1ea. MA1 cable - 3ft length. 1/8" mini-phone plug to 1/8" mini-phone plug.

1ea. MA4 switch-hook lead - 15" length. Pin jack to bare end.

1ea. 3.5mm phone plug.



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