

STOP AND LISTEN INC.

DIGITAL MESSAGE RECORDER

OPERATING INSTRUCTIONS

(V2.0)

BEFORE YOU BEGIN:

Prior to connecting your Digital Message Recorder (DMR) it is recommended that you read through these instructions from beginning to end to familiarize yourself with the installation and operation of the device. Then proceed step-by step as outlined below. Remember to keep these instructions (along with the original shipping carton) in a safe place for future reference. Notify your shipping company or your dealer immediately if any shipping damage is evident.

In the package you will find:

- the Digital Message Recorder Unit
- Power Adapter - 12 volt DC, 1000mA
- Audio Input Cord - 1/8" stereo mini plug to phono (RCA) plug
- Audio Patch Cord - phono (RCA) plug to phono (RCA) plug
- Auto-Repeat (looping) Jumper

STEP 1 CONNECTIONS

a) Plug the power adapter (supplied) into an unswitched 120 volt wall outlet and plug into the power jack on rear of the DMR. The LED indicator lights on the front panel should turn on. (For solar applications the VOLUME and SIGNAL bargraph displays may have been turned off internally at the factory to reduce power consumption)

Check to see that the battery BACKUP switch, located on the rear panel, is in the ON position. This switch is used to disconnect the internal battery that prevents any stored message being lost in the event of a power disruption. Under normal conditions you won't even have to worry about this switch once it is turned on because the battery is capable of sustaining the memory for approximately 30 days. If you plan to store the DMR for long periods this switch should be shut off and then turned on prior to putting the unit back into service.

b) Leave the DMR plugged in for a minimum of 8 hours to ensure the internal battery is adequately charged. (The DMR will act erratically if the battery has not been sufficiently charged.) It is advisable to allow the unit to charge in this manner after any extended period that the DMR has not been plugged in.

c) Finish making the rest of the connections as illustrated in figure A. Ensure that the auto-repeat jumper has been disconnected during any recording session or the DMR will not record properly. If you are using optional equipment such as triggering devices, counters, Multi-Message Recorders, etc. refer to the literature supplied with that equipment for further connection details.

STEP 2 RECORDING

- d) Ensure that the audio source is connected to the LINE IN jack of the DMR as shown in figure A.
- e) Press the REC/PB (record/playback) button. The red RECORD indicator light should now be on.
- f) Press STOP - this erases any previously recorded message and prepares the DMR for recording.
- g) Set the output level of the Source (typically a cassette recorder is used). You should be able to hear the source through the speaker - the DMR has an internal monitor feature so that you can hear what is being recorded. Only peak levels of audio should light up the top sectors of the SIGNAL indicator. Normally only the bottom 3-5 sectors will stay lit continuously. Note that the volume setting on the DMR has no bearing on the incoming (source) level.

If distortion is apparent through the monitor feature the input level is too high and should be reduced accordingly, otherwise extreme distortion will occur on playback due to "digital clipping". We encourage the user to experiment with various levels of input to experience this and to get a better feel for the operation of the DMR. It is not possible to damage the unit by overdriving the input.

- h) Cue the audio source to the point at which you wish the recording to begin.
- i) Press the Start button to begin the recording process and start the audio source. When you have finished recording the audio track press the STOP button to end the recording process. Push the REC/PB button to put the DMR back into the playback mode - the green playback light should come on.
- j) Your recording is now held in digital memory and will remain so until you wish to record something else. The DMR will retain this message in memory indefinitely unless the power to the unit is disconnected for a period of longer than 3 weeks (20 days). Should the DMR be left unplugged for more than 20 days it is recommended the unit be plugged in for a minimum of 8 hours prior to re-recording. Disconnect the LINE IN cord

STEP 3 PLAYBACK

- k) Make sure that the green playback LED light on the REC/PB switch is lighted and all connections have been properly made as shown in figure A. Press Start to begin playback and set the VOLUME controls to the desired listening level. Press VOL(+) to increase the volume and VOL(-) to decrease the volume. The volume setting is displayed in the volume indicator. (The DMR will "remember" the volume setting you have selected on every subsequent playback, even if the DMR remains unplugged over a period of time.)
- i) If continuous playback (looping) is desired, connect the auto-repeat jumper between S1 and S2 on the back of the DMR. This will cause the DMR to start playback. At the conclusion of the

audio track that is stored in memory the DMR will restart at the beginning immediately. Remove the auto-repeat jumper to disable this feature.

The message can be stopped during playback by pressing STOP on the DMR. however the DMR has been configured in such a way that the message can not be stopped from any external start switches so as to avoid any interruptions during playback.

Recording hint: If a delay is desired before the audio track repeats itself, simply leave a bit of blank space at the end of the audio track (prior to pushing STOP) when making the recording.

*** CONGRATULATIONS ***

YOUR DIGITAL MESSAGE REPEATER IS NOW READY TO GO TO WORK !

Again, experimentation is encouraged to enable you to use the DMR to it's potential. Try using different messages, tickling your audience, play with various lengths of message, try using the device in various locations.

IF YOU EXPERIENCE ANY DIFFICULTIES CALL TOLL FREE

1-800-387-2365

CARE AND CLEANING

Your new Digital Message Recorder has been designed and constructed for the utmost in quality and durability. Because of its 100% solid-state design, the only thing you should ever have to do is dust it with a dry cloth. A cloth dampened with a mild soapy water solution can also be used. Do not immerse the unit in water. If any of the cords become damaged or frayed they should be replaced immediately to avoid damage to the equipment or any peripheral devices. Consult your nearest dealer for replacements.

The DMR should be plugged-in to the power source even when not in use to maintain the internal battery in peak condition. Normal battery life is five to seven years. To protect the battery for long term storage, ensure that it has been sufficiently charged by leaving the unit plugged in with the (Memory) Backup switch turned ON for 48 hrs, then turn the (Memory) Backup switch OFF and unplug the unit.

N.B. It is important that the 120 volt power outlet used for the equipment be uninterruptable (unswitched) to avoid damage to the equipment due to 'power spikes'.

SPECIAL NOTE: OUTDOOR APPLICATIONS

This equipment has been designed for ruggedness and is suitable for operation in almost any climate, from minus 20° F to plus 140° F. There are a few precautions, however, which should be followed to prolong the service life and operation of the units where they are exposed to environmental extremes:

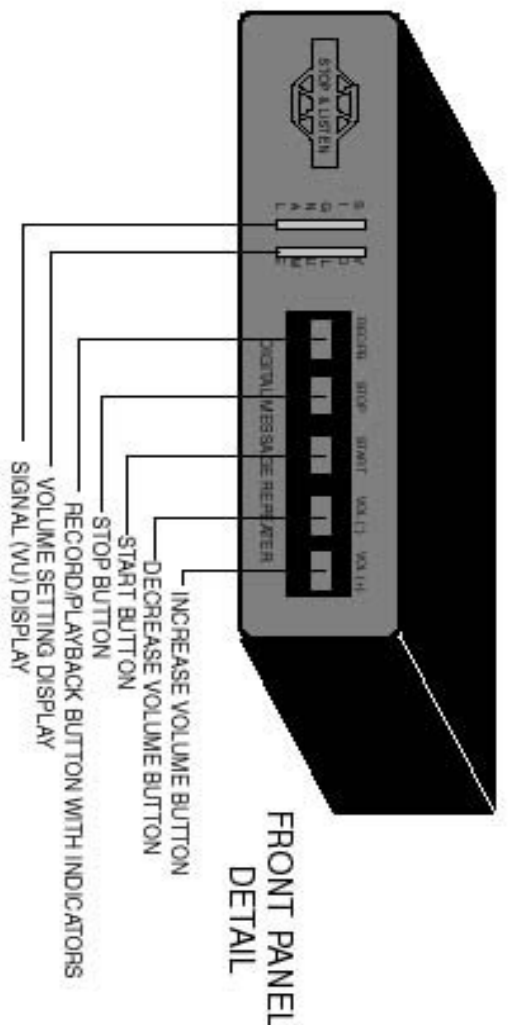
The unit should be enclosed in a water tight and dust-proof enclosure. These can be found (typically stocked) at an electrical supply store or ordered through Stop and Listen. All connections to outside equipment should be through the bottom of the enclosure through a "gland nut" packing.

Where extreme cold temperatures are expected (colder than minus 20° F) the box should be lined with about 1 inch of styrofoam insulation. Where a battery is used in conjunction with the units such as in solar applications, consideration should also be given to keeping the battery at suitable operating temperatures.

Where substantial vibration is anticipated the units themselves should be mounted using appropriate fasteners and all associated wiring and connections should well secured.

FCC, CSA NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense. Equipment changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment does not exceed Class limits for radio noise emissions as set out in Schedule V to VIII of the Radio Interference Regulations of Communications Canada.



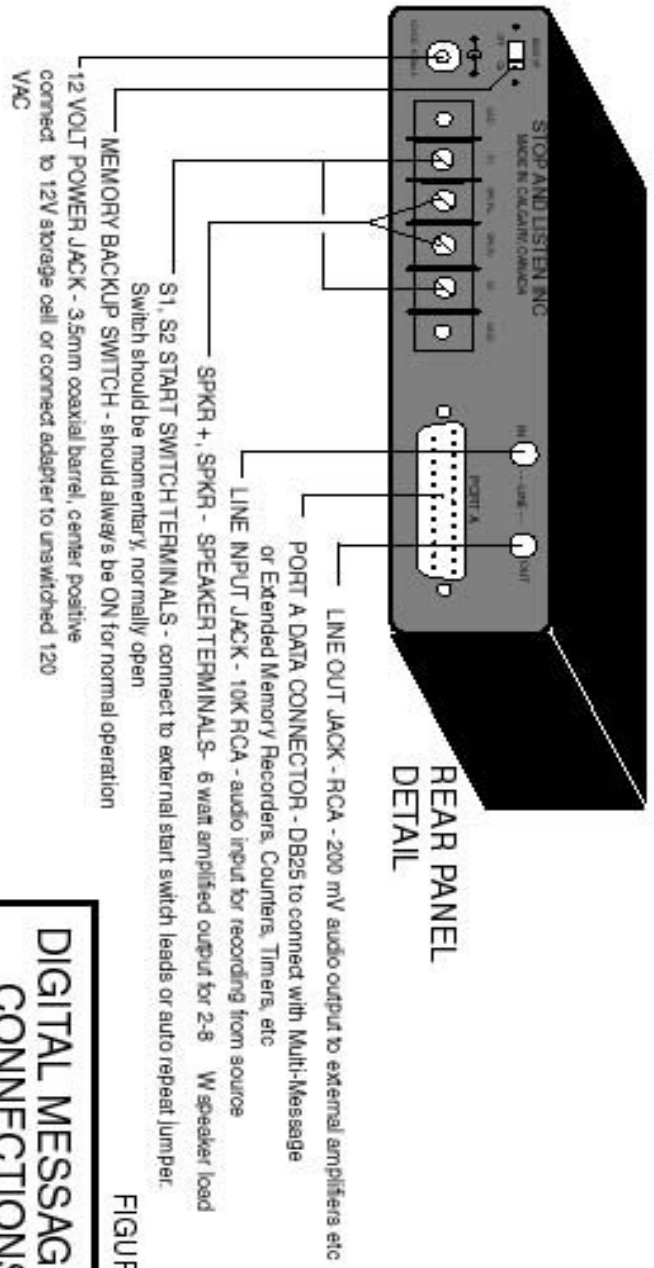
FRONT PANEL
DETAIL

INTERNAL SELECTABLE

DIP	DESCRIPTION
1	DISPLAY LIGHTS
2	SEE BELOW
3	SEE BELOW
4	NOT USED
5	ON
6	OFF
7	ON/OFF FOR MAIN ENERGY
8	ON/OFF FOR MAIN ENERGY
S1	DURATION
S2	DURATION
	INTERNAL
OFF	480
ON	360
OFF	240
ON	180

NO SETTINGS SHOULD BE CHANGED
ONLY BY A QUALIFIED SERVICE
TECHNICIAN

INTERNAL FUSE 1 AMP TYPE 3AG
SWITCH OFF FOR SOLAR APPS



REAR PANEL
DETAIL

FIGURE A

DIGITAL MESSAGE RECORDER
CONNECTIONS DIAGRAM
STOP AND LISTEN INC
CALGARY, ALBERTA

REV 2.0
SERV192