THE COMPACT DMR/15

OPERATING INSTRUCTIONS

Prior to connecting your Compact DMR/15 we recommended that you read through these instructions from beginning to end to familiarize yourself with the installation and operation of the device.

OVERVIEW

The Compact DMR/15 is a solid-state monaural a operates much the same as a tape recorder. Beca wear out, ensuring year after year of trouble-free s

The Compact DMR/15 is capable of recording and up to 15 seconds total. Audio is loaded into the C with a line level or headphone output or a dynami a digital format and stored on proprietary PROM is often likened to tape-to-tape recording.) The me messages are safe even during extended power f

On playback, audio is converted back into it's orig allows the Compact DMR/15 to be played back di need for additional equipment. Playback is initiate whether from the front control panel or from a vari devices. The system can also play continuously u across the switch contacts.

Built-in PowerSaver circuitry allows the system to powered applications where power consumption i be used to trigger lighting effects, for backlighting

At Stop and Listen we have gone to great lengths DMR/15 represents the ultimate in durability and e familiar with the Compact DMR/15 you will find tha add a whole new dimension to your application. Y much more effectively with your audience.

CONFIGURATION

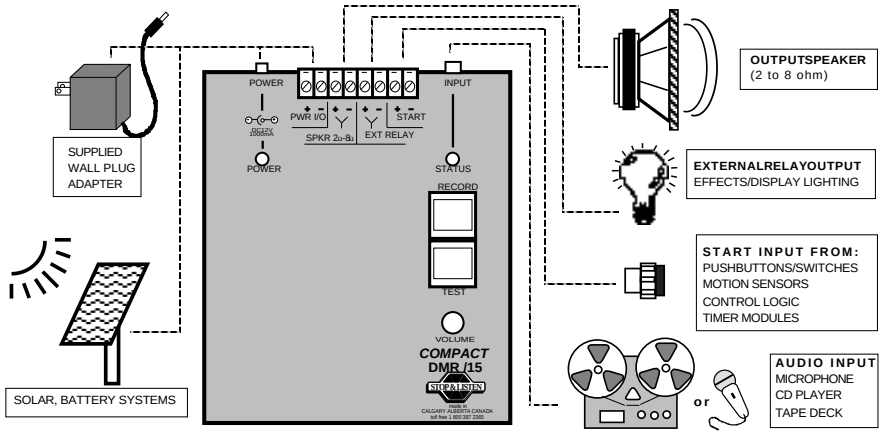
Your new Compact DMR/15 can be configured in how a series of internal jumper blocks have been TING PARAMETERS' for more information on the been pre-configured prior to shipping as follows:

FEATURE	SETTING
RECORD mode	ENABLED
CONTACT type	N.O. - Normally Open
DURATION mode	MOMENTAR
INPUT source	LINE-LEVEL INPUT (r

Settings should only be changed by a qualified se This unit has been pre-recorded with a sample au process.

PRINTED IN CANADA ON RECYCLEABLE PAPER

WIRING CONNECTIONS



POWER - requires 12 volt DC. Plug the supplied wall-plug adapter in here. (center pin is positive). Because the unit employs PowerSaver circuitry the Power indicator light will NOT come on unless the unit is playing a message.

PWR I/O - can be used to obtain 12VDC power for motion sensors, etc. or can be used for power input in the case of solar- or battery-powered applications.

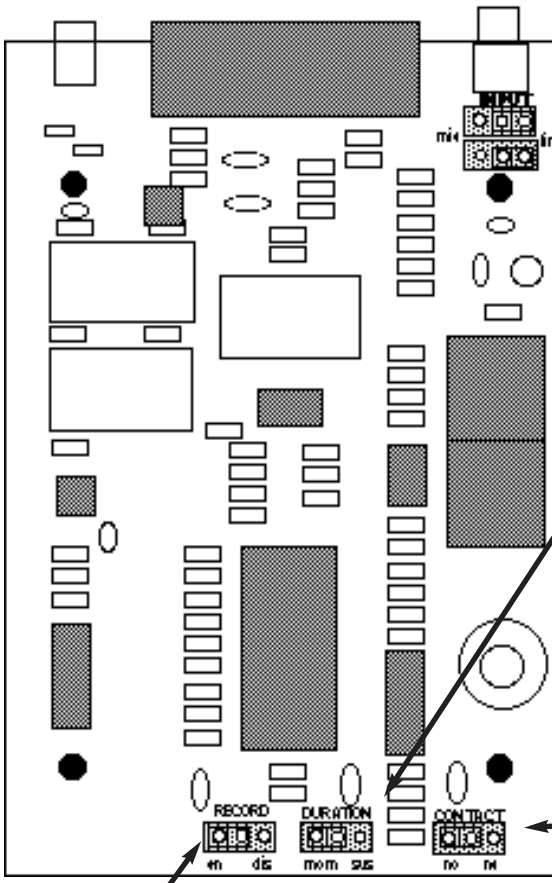
SPEAKER - connect positive lead to the terminal marked SPKR (+), negative lead to terminal marked SPKR (-).

EXT RELAY - supplies up to 100 mA @12VDC while message is playing. Can be used to power LED's(current limiting resistance required) or to energize coil windings of an external relay - for lighting effects, etc.

START - connect to external start switch, motion sensor, etc. Typically a normally open switch is used. Connecting a jumper across the start terminals will cause the unit to auto-repeat(loop). If a normally closed switch or device is to be used, the unit should be re-configured on this basis. Refer to to the section 'RESETTING PARAMETERS' for more information on re-setting the configuration.

INPUT - Audio input for recording. Use included audio patch-cords to connect from Line-Out or headphone output of audio source. Can also be used for recording directly from a microphone if unit has been internally configured for microphone input. Refer to the section 'RESETTING PARAMETERS' for more information on re-setting the configuration. *N.B: Unit will not record unless there is a cord plugged into the input jack.*

RESETTING PARAMETERS - the diag
of jumper blocks on the printed circuit board that c
the operating parameters of the Compact DMR/15
needle nose pliers to pull the block from the positi
alternate position. Factory (shipping) settings are
is disconnected prior to opening case.



RECORD LOCKOUT
normally set at ENABLED to allow recording. Place jumper in DISABLED position to prevent recording. Useful feature if unit is prone to tampering

RECORDING MADE EASY

1	Connect the source that you will be recording from
2	Start the source and hold down the RECORD Button
3	Release the RECORD button when done

That's it!

Your recording is now held in digital memory and will remain so until you wish to record something else. The COMPACT DMR/15 will retain these messages in memory indefinitely

NOTES

The COMPACT DMR/15 incorporates 2 separate safety features to prevent accidental recording or erasure of messages. In order to record a message the internal Record Lockout jumper must be in the ENabled position and there must be a connection made at the INPUT jack of the unit itself. If either of these conditions have not been met, the STATUS indicator will fail to light when the RECORD switch is depressed.

The STATUS indicator will remain lit during recording until the memory is full (15 seconds), after which it will go out - indicating that the unit terminated the recording process internally. In this event the Power indicator will remain lit until the first Playback cycle occurs.

The COMPACT DMR/15 has a monitor feature that allows you to hear what is being recorded through the external speaker. If distortion is apparent through the monitor feature, the input level is too high and should be reduced accordingly. (Otherwise extreme distortion may occur on playback due to “digital clipping”). A good rule of thumb is to use as much input level as possible without going into clipping. It is not possible to damage the unit by overdriving the input.

If a headphone output is to be used as the source, set the output volume at about level 4 or 5. If a microphone is to be used to record directly into the COMPACT DMR/15, ensure that background noises are kept to a minimum or the recording quality will suffer. To obtain the best fidelity possible we recommend the use of a tape recorder as source, as opposed to direct mic input.

For auto-repeat or sustained contact closure applications, recording must be terminated prior to reaching the end of memory. The DURATION jumper must also be placed in the MOMENTARY postion for recording.

PLAYBACK !

Press the TEST button to begin playback and
desired listening level. The external start swit
back at this point.

If output volume is low, try increasing the outp
recording, use a more efficient speaker, or ch
speaker

If the unit has been configured for SUSTAINE
play only while there is a start input. Releasin
start contacts, will end the playback cycle.

If continuous playback (looping) is desired, re
contact closure and do not connect a jumper a
Also configure the CONTACT jumper to NC (
sion of the message the COMPACT DMR/15
gaps or delays. Move the jumper back to the
CONTACT back to NO (normally open) to dis
message. Continuous playback is useful for b
ments, etc. (TIP - If a delay is desired before t
leave a bit of blank space at the beginning or
ing the recording.)

If the unit has been configured for NO (norma
is initiated by either pressing the TEST button
contacts.

The COMPACT DMR/15 will ignore any start
Playback cycle.

DIFFICULTIES?? - CALL OUR TEC

TOLL FRE
1-800-387-23

OTHER FEATURES

INTERNAL FUSING
The COMPACT DMR/15 is internally fused using a solid-state fuse that resets once the fault or error has been corrected. The most common reason why the fuse trips is because either the power polarity is incorrect or the there is a short-circuit at the relay output terminals.

POWER SAVER CIRCUITRY
Every COMPACT DMR/15 incorporates PowerSaver circuitry that forces the unit into a 'sleep' mode when the unit is not active. The unit powers up only when it receives either a Start or a Record input. This feature becomes critical when the unit is installed using solar or portable power sources. Under normal operation the Power indicator light will only come on when the unit is 'active'. Typical savings in power average 90% and better.

RELAY OUTPUT
The external relay terminals are capable of delivering up to 100mA at 12VDC. Typical uses of this feature are for driving a relay which in turn provides power to a spotlight, or to provide power directly to a small lamp or LED (such as is used in backlit arcade-style start buttons.) Power is available only while the message is playing.

REMOVABLE CONNECTOR BLOCK
The connector block on the COMPACT DMR/15 is removable to facilitate easy changing of the COMPACT DMR/15. Use a small screwdriver to gently pry the connector towards the back of the unit. To reconnect, simply plug it back in

WALL MOUNTING
To wall mount the unit, simply attach angle brackets, available at most hardware stores, to the 4 chassis screws on the sides of the unit and then fasten to mounting surface.

CARE AND CLEANING

Your new COMPACT DMR/15 has been designed and constructed for the utmost in quality and durability. Because of it's 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.

Where the equipment may be subject to extreme humidity or free standing water, the unit should be enclosed in a water-tight and dust-proof enclosure. These can be found (typically stocked) at an electrical supply store. All connections to outside equipment should be through the bottom of the enclosure through a "gland nut" packing or equivalent water-tight connector.

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

Specifications: Compac

Single Message Recordable Playback device,
Various user - selectable parameters for

Frequency Response	50Hz-3.4 KHz
Message Capability	Single Message up to 15 sec
Audio Input	Line Level (200 mV to 1.0V p
	or Mic Level (20mV p-p sens
User Selects	Input(mic/line), Switch Conta
	RECORD lockout(enabled/di
Indicators	RECORD Status, POWER S
Audio Output	2 to 8ohm, 3 watts @ 4 ohms
External Relay Output	12 VDC, 100 mA, Active-high
Memory Type	Re-recordable Non-volatile P
Digital Sampling Rate	8 KHz
Memory Backup	not required
A/D Conversion Method	Proprietary Analog mapping
Start Input	Momentary Contact Closure
	Continuous
Power Consumption	400 mA @ 12 VDC (typical, a
Solar/Battery Compatibility	can be user configured
Power Supply	12 VDC output nominal @ 10
Construction Standard	Industrial/Commercial
Operating Temp	-20°F to +130°F (-30°C to +5
Dimensions, Weight	4.00"w x6.00"d x1.25h, 1.8 lb

WARRANTY

This Stop and Listen Inc. product is warranted against defects in w
from a defect in either workmanship or material shall occur under n
purchase, such failure shall be corrected free of charge to the origi
Inc.'s sole option, replacement of the defective part or parts. No ch
during said one year period providing the product is delivered to an
carton. This warranty does not cover equipment which has been ta
accident, negligence, alteration, or misapplication. This product mu
packed and insured. This warranty applies only to the original purc
EXPRESSED OR IMPLIED. STOP AND LISTEN INC. IS NOT LIA

Stop and Listen Inc
7515 Flint Road, SE
Calgary, Alberta, Canada T2HE 1G3
1-800-387-2365 ph 403 276-5905