

listen to the frequency sweep in private. When using headphones, the internal Speaker (#23) will be interrupted.

READ THIS IMPORTANT INFORMATION BEFORE USING YOUR HEADPHONES

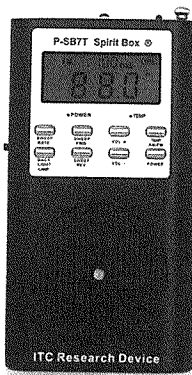
1. Avoid extended play at very high volume as it may impair your hearing.
2. If you experience ringing in your ears, reduce the volume or shut off your unit.
3. Do not use while driving a motorized vehicle. This is dangerous and also illegal in some areas.
4. Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds.

Please note excessively high volume may still block outside sounds.

CARE AND MAINTENANCE

1. Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.
2. Avoid leaving your unit in direct sunlight or in hot, humid, or dusty places.
3. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

MODEL: P-SB7T
Mini AM/FM Frequency Sweep Radio



OPERATING INSTRUCTIONS

Please read and follow this instruction manual carefully before using the P-SB7T and retain it for future reference.

SAFETY INSTRUCTIONS

THE IMPORTANT SAFETY INSTRUCTIONS SHALL INCLUDE, IF AND AS APPLICABLE TO THE P-SB7T, THE USER OF THIS DEVICE IS ENCOURAGED TO READ EACH ITEMIZED ARTICLE CAREFULLY PRIOR TO USE.

1. Read instructions - All the safety and operating instructions should be read before the P-SB7T is used.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Follow instructions – All Instructions and Warnings pertaining to the P-SB7T should be adhered to.
4. Water and Moisture – To prevent water infiltration, the P-SB7T should not be used near water or in the rain.
5. Heat – The P-SB7T should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
6. Power Sources - The P-SB7T should be connected to a power

supply only of the type

described in the operating instructions or as marked on the device.

7. The P-SB7T can be easily wiped off using a dry soft cloth. Never spray or wet the surface.
8. Telescopic Antenna – Keep the antenna away from all electrical sources, including receptacles, fuse and circuit breaker panels.
Do not bend or twist the antenna. Always retract the antenna when not in use.
9. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and any built up static charges.
10. Non use Periods - The P-SB7T batteries should be removed when left unused for a long Period of time.
11. Damage Requiring Service - The P-SB7T should be serviced by qualified service personnel when:
 - A. Objects have fallen, or liquid has been spilled on to the device; or

B. The P-SB7T has been exposed to rain; or

C. The unit has been dropped, or the enclosure damaged.

12. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to DAS Dis. Inc. service personnel.

They can be reached at 1-888-344-0111

ON PLACEMENT

Do not use the unit in places which are extremely hot, cold, dusty or humid.

Place the unit on a flat and even surface to prevent it from falling or being dropped.

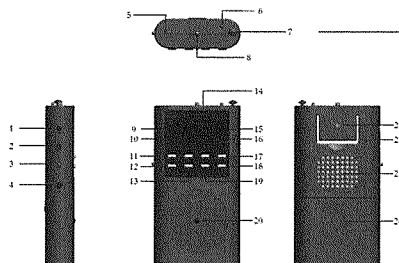
ON CONDENSATION

When left in a heated room where it is warm and damp, water droplets or condensation may form inside the unit.

When there is condensation inside the unit, the unit may not function normally.

Let it stand for 1 to 2 hours before turning the power on, or gradually heat the room up and dry the unit before use.

FUNCTIONS AND CONTROLS



1. Earphone Jack
2. Speaker output Jack
3. Temperature reset button
4. DC 4.5V Jack
5. Safety Lanyard
6. Temperature Sensor
7. Telescopic Antenna
8. Lamp
9. Sweep FWD+
10. Power indicator
11. Sweep rate
12. Backlight on/off / Lamp on/off
13. Sweep REV-
14. LCD display
15. VOL+
16. Temperature indicator
17. Temperature on/off / AM/FM switch
18. Power
19. VOL-
20. Red/Blue temperature Lamp
21. Buzzer hole
22. Stand
23. Speaker
24. Battery door

POWER SOURCE

The P-SB7T operates using 3 X "AAA" (UM-4) size Alkaline batteries. It can also operate using an AC/DC 4.5Vdc adaptor from AC120V/60Hz power supply.

A. DC POWER OPERATION

1. Open the battery door located at the back of the P-SB7T (#24).
2. Insert 3 X AAA (UM-4) size Alkaline batteries according to the polarity diagram in the battery compartment
3. Close the Battery Door (#24).

4. IMPORTANT:

Be sure that the batteries are installed correctly. Wrong polarity may damage the unit. Never mix Alkaline, standard (carbon-zinc) or rechargeable (nickelcadmium) batteries together. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.

B. AC/DC ADAPTER

1. Connect the 115V AC to DC Adapter (Excluded) to the DC 4.5V Jack (#4) on the side of the unit.

2. Connect the other end of the AC/DC Adapter to a wall outlet with AC120V/60Hz power supply.

RADIO RECEPTION

1. Press POWER Button (#18) for 2 seconds to turn on the P-SB7T. The device will default to the radio band which you set previously.
2. Set the Band Selector (#17) to either "AM" or "FM" for the desired radio band.
3. Adjust the VOL.+(#15) or VOL.-(#19) to obtain the desired sound level before initiating the Auto Sweep function.

When the P-SB7T is in the Auto Sweep Mode, the VOL control cannot be adjusted. To adjust Volume you must stop the Sweep function by momentarily pressing the Sweep FWD or REV button.

4. When you wish to turn off the P-SB7T, press the POWER Button (#18) for 2 seconds.

TIPS FOR GOOD RADIO RECEPTION

1. To insure maximum FM tuner sensitivity, the Telescopic Antenna (#7) should be fully extended and rotated to obtain the best possible reception.
2. When tuning in AM reception, be sure to place the unit in a vertical position. To insure

the maximum AM sensitivity, try repositioning the unit until the best reception is obtained.

SWEEP FUNCTION

SWEEP RATE

The SWEEP RATE controls how quickly the unit increments through each individual frequency step

The following individual sweep rates shown below, can be selected by the user

AM - 100ms, 150ms, 200ms, 250ms, 300ms, 350ms

FM - 100ms, 150ms, 200ms, 250ms, 300ms, 350ms

When using the SWEEP function, press the SWEEP RATE Button (#11) to select the desired sweep rate. The actual rate is

displayed in MSEC on the LCD display.

SWEEP FWD

Press the SWEEP FWD button (#9) for 3 seconds to begin the sequential sweep of all frequency channels starting from the lowest frequency to the highest frequency.

Press the SWEEP FWD button (#9) again to stop the SWEEP. You can also press the SWEEP FWD button quickly to select an individual frequency.

SWEEP REV

Press the SWEEP REV button(#13) for 3 seconds to begin the sequential sweep of all frequency channels starting from

the highest frequency to the lowest frequency.

Press the SWEEP REV button(#13) again to stop the SWEEP.

Press the SWEEP FWD

button quickly to select an individual frequency.

Note:

The adjustable, incremental Sweep rate is an important feature of the P-SB7T. Utilize this feature to determine the amount of "dwell" time for each frequency step.

Ambient Temperature Deviation Detection (ATDD) circuit

The P-SB7T includes our Ambient Temperature Deviation

Detection (ATDD) circuit. The ATDD monitors Warm and Cool

temperature changes within the environment and converts

Temperature deviation into an Audible Sound with visual Red

(Temp Increase) and Blue (Temp Decrease) LED trend indicator.

There are five (5) ascending, and five (5) descending audible tones.

Each octave step/tone represents a +/- one (1) degree temperature

change. Ascending tones represent a temperature increase and a

Descending tone represents a temperature decrease.

The ATDD circuit is independent of the P-SB7T Spirit Box, and can be turned ON without the P-SB7T being ON.

1. Before turning the ATDD circuit ON, allow the temperature sensor which is located to the left of the Antenna 2-3 minutes to adjust to the environment temperature. Be sure not to touch the sensor with your finger during the ambient adjustment period to eliminate any false reading.

2. Press the TEMP
AMFM momentary button for 2 seconds to activate the ATDD temperature circuit.

You will hear two (2) momentary "beeps" as the circuit runs through a diagnostic test and then baselines to the environment temperature.

A Red LED light will be ON next to the word TEMP on the front of the P-SB7T indicating the ATDD is now ready to use. To turn the

ATDD Temperature circuit OFF, press the TEMP
AMFM momentary button again for 2-3 seconds.

3. Press the TEMP
RESET momentary button located on the left side of the P-SB7T to baseline to the environment Temperature.

The ATDD will now monitor and track any Ambient Temperature Deviation changes within the environment.

4. There is a Temperature trend LED indicator located on the front of the P-SB7T. It will momentarily turn Red if the Temperature increases, and turn Blue if the Temperature decreases. It only activates on the first octave +/- step.

Note: Keep hands and other heat sources away from the bead temperature sensor located at the top of the P-SB7T.

Be aware that subtle changes within the environment caused by air currents and position changes can cause tone and LED flickering, this is normal. When this happens, and you suspect that it is not related to your activity, press the TEMP
RESET button to baseline

Safety Emergency Flashlight

The P-SB7T has a built-in, high intensity mini (white) flashlight which provides easy navigation

through hallways, stairwells and other difficult locations. To activate the Flashlight press the BACK
LIGHT
LAMP for 2 seconds.

To deactivate the Flashlight press the same button again for 2 seconds.

The Flashlight circuit is independent of the P-SB7T Spirit Box, and can be turned ON/OFF without the P-SB7T being ON

Safety Lanyard

To prevent accidental drops, a Safety Lanyard has been added for your convenience.

USING EARPHONE or HEADPHONE

Inserting the plug of your headphones into the EARPHONE Jack (#1) will enable you to