

## P5045 Micro Telephone Recorder Operating Manual

Congratulations on your purchase of the Micro Telephone Recorder. Your Micro Telephone Recorder represents a revolution in telephone recording. The compact attractive unit clearly records telephone conversations for later reference. The recorder is automatic and will only record when your telephone is off-hook. This unit incorporates exciting new features such as extended recording time and a switchable voice controlled system (VOX). With VOX it is possible to connect this recorder to multi-line or electronic telephone systems. Please review the following instructions carefully so that you may fully enjoy your new recorder's functions. Contact information for technical support is given at the end of this document.

**NOTE: It is the user's responsibility to ensure that conversations are only recorded in accordance with the law of the jurisdiction where the equipment is utilized.**

### **Features:**

- Two way automatic telephone recording
- Revolutionary compact size
- Direct telephone line connection
- Voice controlled system (VOX)
- Two speed recording
- Tape counter
- Recording indicator
- Pause control
- Uses 2 x AA batteries (not included)

### **Installing the Batteries**

- Open the battery compartment by sliding the cover in the direction of the arrow.
- Insert two new AA batteries (UM-3) with the correct polarity as shown in the battery compartment.
- Replace the battery cover.

### **Changing the Batteries**

If the sound becomes distorted or if the tape is moving slowly, replace the batteries with new ones. For best results we recommend the use of new alkaline or lithium cells. Recording time with new alkaline batteries is approximately seven hours. Life of the batteries differs depending on the use. Remove the batteries when the equipment is not in use for a long period. Dispose of exhausted batteries properly.

### **Loading the Microcassette**

- Confirm that the unit is in STOP mode.
- Press the STOP/EJECT button to open the cassette compartment cover.
- Insert a microcassette with the tape surface up.
- Gently press the cassette compartment cover closed
- If the cassette compartment cover can not be fully closed, remove the tape and adjust it's sprocket alignment (by inserting a pen into the hub of the microcassette's take-up spool and turn slightly). Then retry inserting the microcassette.
- Before inserting the microcassette tape, make sure that the tape is not loose. When the tape is loose, it can sometimes become cut or wound around the capstan.

### **Installation for Recording Telephone Calls**

- Connect one end of the supplied telephone cable to the recorder's jack labeled with the telephone icon (☎), and the other end to the telephone wall jack.
- The Micro Telephone Recorder is now ready for operation.

### **To Record a Telephone Call**

- Ensure that a blank tape is properly in place. You may use any commercially available tape length up to a MC-90 microcassette which can provide over 90 minutes of recording per side.
- Select the tape speed. (see the “Tape Speed” section below for details)
- Using the Voice Control System switch (VOX) select “ON”. See the “How to Record with VOX (Voice Control System)” below to ensure the Voice Control System is set properly.
- Press the recorder’s REC button (the PLAY button will automatically go down as well).
- Lift the telephone handset and observe tape movement. This indicates recording is in progress.
- Place handset on-hook (hang up) and observe that recording stops.
- The recorder is now in the stand-by mode and will automatically record when the phone is answered and it will stop recording when the handset is placed back on-hook (hung-up). Please note that this unit will record telephone conversations when any extension telephone connected to the phone line is in use, not only the telephone with which the recorder may share a telephone jack.
- To put the unit in pause while in the REC mode, move the PAUSE Switch down to the lower position. A red indicator will appear in the small PAUSE window. To resume recording, move PAUSE Switch to the upper position.
- Press the STOP button to disengage the recording mode for long periods. Leaving the record mode engaged for extended periods when the recorder is not in use may kink or damage the tape.

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#### **Recording with the Built-in Microphone.**

- Disconnect the supplied telephone cable if it is connected.
- Select the tape speed. (see the “Tape Speed” section below for details)
- Ensure that the VOX mode switch is set to the OFF position unless you desire voice controlled recording (see “How to Record with VOX (Voice Control System) below for more details)
- Press the REC button and PLAY button simultaneously.
- The red REC indicator will illuminate.
- Recording will be made with the built-in microphone. Adjust the VOLUME control to set at a suitable recording level. Generally, the maximum volume level is best. If the recording level is set too low, you will have difficulty hearing the recording when it is played back.
- To ensure superior recordings do not block the internal microphone. The internal microphone is located beneath the series of holes near the VOX control. Fewer obstructions between the microphone and the sound source will lead to clearer recordings.
- To put the unit in pause while in the REC mode, move the PAUSE Switch down to the lower position. A red indicator will appear in the small PAUSE window. To resume recording, move PAUSE Switch to the upper position.
- Press the STOP button to disengage the recording mode for long periods. Leaving the record mode engaged for extended periods when the recorder is not in use may kink or damage the tape.

#### **How to Record with VOX (Voice Control System)**

- Set the VOX mode switch to the ON position.
- Adjust the volume control knob to the desired VOX sensitivity level.
- Press the REC button and the PLAY button simultaneously.
- When the sound is sensed, recording starts automatically . When the sound stops, recording stops automatically after 3 or 4 seconds.
- Press the STOP button to disengage the recording mode for long periods. Leaving the record mode engaged for extended periods when the recorder is not in use may kink or damage the tape.
- VOX will respond to any sound equal to or greater than the level set on the volume control, but the recording level is not changed. To find a suitable activated recording level, please make a test recording at several sensitivity levels before actual use. **WARNING:** If you set the VOX sensitivity level too low, the unit will not activate and you risk missing portions of your intended recording.

### **Playback**

- Set the TAPE SPEED selector to the speed at which the tape has been recorded. (see the “Tape Speed” section below for details)
- Press the PLAY button.
- Adjust the VOLUME to a suitable level.
- To put the unit in pause while in the PLAY mode, move the PAUSE Switch down to the lower position. A red indicator will appear in the small PAUSE window. To resume playback, move PAUSE Switch to the upper position.
- Press the STOP button to disengage the play mode for long periods. Leaving the play mode engaged for extended periods when the recorder is not in use may kink or damage the tape.

### **Fast Forward / Rewind Function**

- During STOP mode, press the REW / F.FWD Switch to the F.FWD position to advance the tape at high speed. To stop the tape advance, return the REW / F.FWD switch to the center, or press the STOP button.
- During STOP mode, press the REW / F.FWD switch to REW position to rewind the tape. To stop rewinding the tape, return the REW / F.FWD switch to the center, or press the STOP button.

### **Cue / Review Function**

- During PLAY mode, press the REW / F.FWD switch to the F.FWD position to advance the tape at high speed with sound (CUE). Releasing the switch returns to PLAY mode.
- During PLAY mode, press the REW / F.FWD switch to the REW position to rewind the tape at high speed with sound (REV). Releasing the switch returns to PLAY mode.

### **Tape Speed**

- For normal recording, 2.4 cm/sec speed is recommended. This speed provides good sound quality. With a C90 microcassette a total of 90 minutes (45 minutes each side) is available.
- For longer recording, use 1.2 cm/sec tape speed. With a C90 microcassette, a total of 3 hours recording, (90 minutes each side) is available.
- Adjust the SPEED switch to the proper setting for your application. Ensure that you playback the microcassette at the same speed at which it was recorded for proper playback.

### **Auto Shut-off**

- When the tape comes to an end during REC or PLAY mode, the PLAY and REC button return to the STOP position automatically. A slight “click” will sound.
- In F.FWD and REW mode, the auto shut-off mechanism does not function. Press the STOP button or set the REW / F.FWD button to the center position.

### **Tape Counter**

When REC, PLAY, F.FWD or CUE are used, the Tape Counter increases from 001, 002, 003...etc. when it exceeds 999, it returns to 000. When the REW and REV modes are used, the counter decreases from 999, 998, 997...et. Prior to recording, you may press the RESET button to set the counter to 000.

### **Using an Earphone**

A monophonic earphone may be used for private listening. Insert the 3.5mm mono earphone plug into the jack labeled with the headphone icon. The speaker will not function when an earphone is attached.

### **Prevention of Accidental Erasure**

- Microcassettes provide “safety lugs” to avoid accidental erasure on both sides. Break the safety lug by pressing with a screwdriver into the inside, then the REC button cannot be depressed when the microcassette is inserted in the recorder.
- If you wish to record on the microcassette with which the safety lug is broken, cover the hole with plastic tape.

**Maintenance**

Keep the REC / PLAY head clean at all times. For cleaning the head, use a microcassette cleaning cassette tape or apply head cleaning solvent with a swab.

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**P3 CORPORATION LIMITED WARRANTY**

P3 Corporation ("P3") warrants to the original retail purchaser only, that its product is free from defects in material or workmanship under the condition of normal use and service for a period of six (6) months from the date of purchase. In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, P3 will repair or replace at its option the product or component part(s) which shall appear in the reasonable judgment of P3 to be defective or not to factory specifications. A product requiring service is to be returned to P3 along with the sales receipt or other proof of purchase acceptable to P3 and a statement describing the defect or malfunction. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation. All items repaired or replaced thereunder shall be subjected to the same limited warranty for a period of six (6) months from the day P3 ships the repaired or replaced product. The warranty does not apply to any product that has been subject to misuse, tampering, neglect, or accident or as a result of unauthorized alterations or repairs to the product. This warranty is void if the serial number (if any) has been removed, altered, or defaced. This warranty is in lieu of all warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly excluded or disclaimed. P3 shall not be responsible for consequential, incidental or other damages, and P3 expressly excludes and disclaims liability for any damages resulting from the use, operation, improper application, malfunction or defeat of any P3 product covered by this limited warranty. By acceptance of the product, the owner recognizes that the security aspects of this P3 product may be subject to defeat or compromise by appropriate counter-measure devices, and that such defeat or compromise may result in confidentiality or important information being lost. P3 expressly disclaims any responsibility for consequential or incidental, including but not limited to those attendant upon lost confidences, resulting from any such defeat or compromise, whether due to a defect in material workmanship, faulty design or otherwise. P3's obligation is strictly and exclusively limited to the replacement or repair of any defective product or component part(s). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. P3 does not assume or authorize anyone to assume for it any other obligation whatsoever. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you. It is the owner/user's responsibility to comply with local, state, or federal regulations, if any, that may pertain to P3 products or their use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you experience difficulty in the operation of your unit, or if your unit requires repair please contact:

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