

# DVR 1800

## Digital Voice Recorder INSTALLATION AND OPERATING INSTRUCTIONS

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**PREMIER TECHNOLOGIES, INC.**

One Premier Drive

P.O. Box 159

Long Lake, MN 55356

(800) 466-8642 • (612) 475-2317

FAX: (612) 475-3579

**Important**

*Before using the Premier DVR 1800 unit, please read this manual carefully.*

**Specifications:**

Sample Rate:

64 kbps

Minutes of Memory:

Message length from 2 minutes to 47 minutes (model dependent).

Flash Memory:

Nonvolatile, stays unchanged.

Recording Method:

Remotely from any telephone or locally via cassette player.

Security Code:

There is a user definable 5 digit security code to prevent unauthorized entry. Code is held permanently in flash memory.

Power Source:

12V AC adaptor, included.

Wiring:

2 wire RJ-11 type, included.

Verbal Prompting:

Assists with remote loading.

Dimensions:

7.25" H x 7.5" W x 2.0"D

Ring Detection:

AC Ring, Square Wave Ring.

Weight:

4 lb. (Boxed)



# DVR 1800

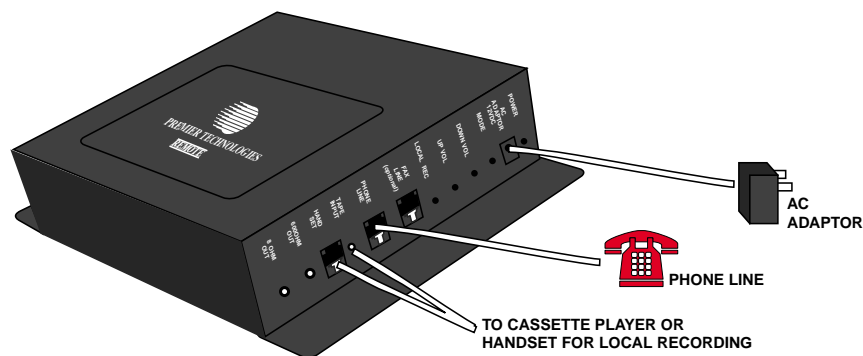
## FEATURES:

- The DVR will answer all incoming calls on the programmed number of rings and play the pre-recorded message. After playback of the message, the DVR disconnects from the phone line. The unit will also detect "winks" from the phone company central office indicating that the caller has hung up. The DVR will then end message playback and disconnect from the line.
- Non-volatile flash memory is used to store the audio production and all set-up information. (Power can be lost indefinitely without loss of program. No battery is required.)
- Output volume control is digital for the 8 and 600 ohm ports. Volume can be changed locally or remotely over the phone. Volume remains constant over the phone line. (This feature is typically not used on the DVR.)
- Audio production may be downloaded locally or remotely.
- Local control function may be locked out.
- User selectable five digit security code is required to interface with DVR remotely.
- DVR can be configured to answer on 1 to 12 rings. (default is one ring)
- A call counter keeps track of the number of incoming calls.
- Two Models to Choose From — DVR 1800 with handset jack gives you the flexibility to record locally from a tape player or the handset jack.

DVRT 1800 with the above features plus a programmable time of day clock to disable call answer during business hours. The clock can be manually disabled at any time with the mode switch.

## INSTALLATION INSTRUCTIONS:

1. Connect the DVR to the phone line it will be answering. Make sure no other products, such as modems or faxes, are connected to this line.
2. Connect the AC adaptor to a suitable 120VAC outlet and the other end into the 12VDC jack on side of unit.



## LOCAL RECORDING

(from Tape Player or handset)

1. Plug the audio output connector of a tape player (with the message tape inserted and ready to play) into the TAPE INPUT jack on the side of the unit plug telephone handset with carbon mic into handset jack.

**NOTE:** Stereo cables are included with the unit and will work with either a mono or stereo source. Stereo productions should be recorded on both channels. The DVR will record in mono.

2. Rewind tape player to the beginning of the tape. Press and hold the LOCAL REC button for 3-5 seconds. When the red LED lamp turns off, push the play button the tape player. When the DVR hears sound, it will automatically begin recording and will stop recording when it hears 5 seconds of silence.

**NOTE:** If an audio production is already stored in memory, the DVR will first erase the old production and then begin recording the new production. The LED stays on during erase and goes out when recording is ready to start.

**HINT:** The DVR provides different audio tones to communicate its activities to the user. These can be heard by plugging a speaker into the 8 ohm output or headphones into the 600 ohm output. The DVR will beep once when local mode is entered. It will beep once per second while erasing and beep three quick times when erase is completed. One last beep indicates recording has started. (Erase time is typically one to 10 seconds.)

3. To adjust the proper record level, observe the POWER ON/RECORDING LEVEL LED during recording. The LED goes on for record volumes greater than -15 dB. For best results the LED should blink during speech and loud music and be mostly off. Adjust the volume control on the tape player for optimum record level.
4. Remove the recording cable. The DVR is now ready to answer calls. During the recording, no sound will come out of either output.
5. To increase output volume to the 600 and 8 ohm outputs only, momentarily press the UP VOL button for a small increase in volume. For a larger increase in volume, press and hold the UPVOL button. (Typically, the 600 and 8 ohm outputs are not used for normal operation.)
6. To decrease output volume, momentarily press the DOWN VOL button for a small decrease in volume. For a larger decrease in volume, press and hold the DOWN VOL button.

## REMOTE OPERATION:

1. Dial the phone number of the phone line that the DVR is connected to. The DVR will answer on the programmed number of rings (factory default is 1 ring).
2. The DVR will answer the call and begin playing the recorded message. If no message is recorded, the DVR will beep.
3. If the DVR is playing a message, press the (\*) star key to abort the message playing. You may need to do this more than once if a loud passage is playing. (Only do this if a message is playing). The unit will beep when it is ready to receive the security code password.
4. All units are shipped with a default security code password of 1, 2, 3, 4, 5. Enter the password from the telephone keypad. The unit will say "enter function" and will beep indicating that it has accepted the password. Program mode has now been entered. If an incorrect code is entered, the DVR will generate a multiple beep error tone. The user may now re-enter the correct code. (See program menu options for a detailed list of program features. It is recommended that the user change the security code to prevent unauthorized entry.)

## QUICK PROGRAM INSTALL:

1. Press 1 to record a test message.
  - DVR says "record" and beeps
2. Say "test message" into the telephone, then press (\*) star key to stop recording.
  - DVR will beep
3. Press 2 to play back the message.
  - DVR will beep and play back the test message
4. Press 6 to change number of rings to answer.
  - DVR says "enter ring" and beeps
5. Press 6 to answer in six rings.
  - DVR says "ring is 6" and beeps
6. Press 4 to disconnect.
  - DVR will beep and then hang-up

## PROGRAM MENU OPTIONS:

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### Press 1 Recording a message

- DVR says "record" and beeps. Unit is ready to record.
- Play production into the telephone.
- Press (\*) star key to stop recording.
- DVR will beep. It has stopped recording.

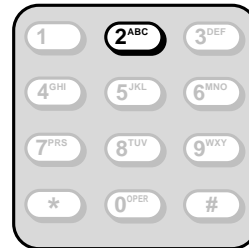


NOTE: If an audio production is already recorded, the unit will generate a multiple beep error tone indicating that the old production must first be erased.

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### Press 2 Listen to a recording

- DVR will beep. Unit will play the recording from memory. Audio will be played over the phone line and on the 8 and 600 ohm outputs.
- Press (\*) star key to stop playback. If you press the (\*) star key during a loud portion of the recorded production, the DVR may not hear the command. Just press the (\*) key again.
- Change output volume during playback (Use phone keypad)
  - Press 1 to increase volume a small amount
  - Press 4 to increase volume a large amount
  - Press 3 to decrease volume a small amount
  - Press 6 to decrease volume a large amount



1

4<sup>GHI</sup>

3<sup>DEF</sup>

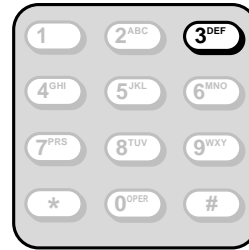
6<sup>MNO</sup>

NOTE: The volume will change on the 8 and 600 ohm outputs only. The volume on the phone line will stay constant. This feature is typically not used on a DVR.

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Press 3 To Change the security code password

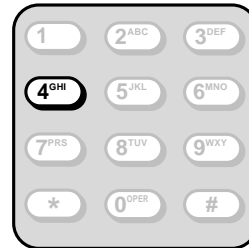
- DVR says “enter code” and beeps.
- Enter new five digit security code password from the telephone key pad.
- DVR announces the new password and beeps. The new password is now installed. The old password is erased.



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Press 4 Leaving the DVR system (Handing UP)

- DVR will beep and hang up.
- NOTE: The DVR will also hang up after any 30 second period of silence or inactivity.

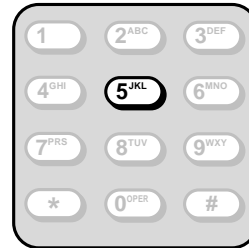


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Press 5 Erasure of the recorded message

- DVR says “erase”, it beeps and then begins erasing the recorded message. The DVR will beep once per second while erasing. (Erase time is typically one to 10 seconds. Erase time may vary.) The DVR will beep 3 times quickly and then one more beep to indicate that erasing is complete.

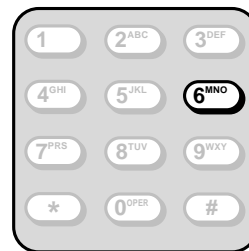
NOTE: The security password is not erased. The setting for local mode enable/disable is not changed. (Erasure of DVR message also clears call counter.)



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Press 6 Change number of rings to answer

- DVR says “enter ring” and beeps.
- Enter desired ring number.
  - 1 through 9 equals the number of rings
  - \* equals 10 rings
  - 0 equals 11 rings
  - # equals 12 rings
- DVR announces the stored number of rings and beeps. The number of rings to answer has changed.



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Press 7 Special functions

- 1**

  - Press 1 to hear your security code by voice
    - DVR says “code is” and then announce the stored security code. The DVR beeps and returns to normal programming
- 2<sup>ABC</sup>**

  - Press 2 to hear your security code by DTMF signals.
    - DVR says “code is” and then beeps the security code with DTMF tones. The DVR beeps and returns to normal programming.
- 3<sup>DEF</sup>**

  - Press 3 to hear the DVR’s maximum memory size by voice.
    - DVR announces the maximum memory size in minutes. The DVR beeps and returns to normal programming.
- 4<sup>GHI</sup>**

  - Press 4 to hear the DVR’s maximum memory by DTMF signals.
    - DVR beeps then maximum memory size with DTMF tones. The DVR beeps and returns to normal programming.
- 5<sup>JKL</sup>**

  - Press 5 to hear the number of calls answered by the DVR. (Voice output)
    - DVR says “number is” and then announces the number of answered calls. The DVR beeps and returns to normal programming.
- 6<sup>MNO</sup>**

  - Press 6 to hear the number of calls answered by the DVR. (DTMF output)
    - DVR says “number is” and beeps the number of answered calls in the DTMF tones. The DVR beeps and returns to normal programming.
- 9<sup>WXYZ</sup>**

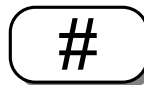
  - Press 9 to disable local control. (The unit will not respond to local down or volume changes.)
    - DVR says “local off” and disables the local, up and down volume buttons. DVR beeps and returns to normal programming.
- 0<sup>OPER</sup>**

  - Press 0 to enable local control. (This is the factory default setting.)
    - DVR says “local on” and enables the local up and down volume buttons. DVR beeps and returns to normal programming.



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Press 8 To enter special functions (DVR says 'enter function' and beeps.)



- Press 1 to clear the stored call count to zero
  - DVR says "reset number", beeps, clears the stored call count and returns to normal programming.
- Press 2 to change to phone message mode. (same as DVR 1800)
  - DVR says "function 1, 8 on" and beeps. Record, play, and erase address the phone message only.
- Press 3 to change to on-hold message mode. (same as RU 2700)
  - DVR says "function 2, 7 on" and beeps. Record, play, and erase address the on-hold message only.
- Press 8 to select reset mode. (no beep)
- Press 8 to confirm reset. (no beep)
  - DVR says "reset" and erases all memory. All programmable functions will be reset to factory default. (Security code is changed to default 1, 2, 3, 4, 5; rings = 2; local control is on; audio production is erased, call counter is cleared.) All time of day entries are erased. The DVR returns to the normal program mode.

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Press 9 Special record mode

- DVR says "record" and beeps. Unit is ready to record.
- Play production into the telephone. (This record mode is identical to #1 above except that the recording will stop after 5 seconds of silence. The (\*) star tone is ignored.



This mode might be used in the rare event that the audio production contains recorded sounds that are equivalent to the (\*) star key. This would cause the recording to abort. The possible disadvantage with this mode of recording is that a very noisy telephone line could cause the recording to continue to the end of available memory.

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Press 0 Special play mode

- The DVR will beep. Unit will play recording from memory. (Audio will be played on 600 and 8 ohm outputs only, not over the phone line.)
- Press volume adjustment keys as desired (same as #2 above.)
- Press the (\*) star key to stop recording.



(This play mode is identical to #2 above except for the lack of the played audio production over the phone line. This mode is recommended for remote volume adjustment because the DVR unit will be listening to volume adjustment signals only and not the played back audio production. Adjustment signals can not be "drowned out" by loud passages in the audio production.)

## TIME OF DAY PROGRAMMING: (Model DVRT Only)

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### Press \*1 Time of Day Entry

- Press \*1 (star key plus "1" key).
- The DVRT says "enter local".
- Enter the five digit time of day as (day, hr, hr, min, min) Military time. For example: Sunday @ 11:20 pm is entered as 1, 2, 3, 2, 0.
- The unit beeps, indicating that the time is successfully stored.
- If an invalid day of time is entered, a multiple error beep is heard (the time is not stored). Pressing the "#" key will cause the time of day entry to be aborted.

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### Press \*2 Start/Stop Entry

This operation is used to store the start and stop time of the business. A separate start and stop time must be stored for each day of the week. To indicate that the business is not open on a given day, enter all 9's for the start and stop time. When the DVRT is first received, it has all 9's entered in the start and stop time for each day of the week. Therefore, re-programming is required only for days that the business is open.

- Press \*2.
- The DVRT says "enter number".
- Enter the nine digit start and stop time as (day, hr, hr, min, min, hr, hr, min, min). This entry is organized as (day, start time, stop time).
- The unit beeps, indicating that the times are successfully stored. Invalid entries result in an error beep. Pressing the "#" key will cause the entry to be aborted.

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### Press \*3 Time of Day Playback

The DVRT will verbally say the current time of day.

- Press \*3.
- The DVRT says "local is" and then says the current time of day as (day, hr, hr, min, min).
- The DVRT will say "E" for any day or time entries that are not valid.

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### Press \*4d Start/Stop Playback

The DVRT will verbally say the current start and stop time stored for a given day.

- Press \*4 plus the day number to be inquired..
- The DVRT says "number is" and then says the current start/stop time as (day, hr, hr, min, min, hr, hr, min, min). This entry is organized as (day, start time, stop time).
- The DVRT will say "E" for any day or time entries that are not valid.

## MANUAL OVERRIDE OF TIME OF DAY CONTROL (Model DVRT only)

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### General:

The DVRT is a standard DVR with an internal clock used to enable or disable the answering of incoming calls according to the time of day and the stored business hours. Remote entry is used to set the time of day and to program business hours. Different business hours may be entered for each day of the week. The stored information and clock operate from an internal lithium battery so that loss of AC power will not interrupt time keeping or lose stored information.

A mode button allows over-riding of the automatic answer enable/disable operation.

The DVRT operates the same as a normal DVR, with the following exceptions:

**Mode Control** – There are three modes of operation. The mode of operation is controlled by pressing the mode switch a specified number of times. The LED display will indicate which mode is active.

**Auto Mode** – Press the mode switch once. The LED stays on steady. The DVRT will not answer incoming calls if the time of day is later than the stored start time and earlier than the stop time for that day. If the time of day is later than the stop time and earlier than the start time, then the DVRT will answer incoming calls on the programmed number of rings.

**“ Always Answer ” Mode** – Press the mode switch twice within two seconds. The LED blinks, staying on most of the time and off only a short time. The DVRT will answer all incoming calls on the programmed number of rings. (Use this mode when the business is closing early or prior to holidays or extended business closing. Be sure to switch back to auto mode prior to business starting or calls will continue to be answered by the DVRT.)

**“ Never Answer ” Mode** – Press the mode switch three times with less than a two second delay between switch pressing. The LED blinks, staying off most of the time and on only a short time. The DVRT does not answer incoming calls. (Use this mode when business hours are extended beyond normal or when the business will be open on normally closed days. This will make sure that incoming calls are not answered by the DVRT. Make sure to switch to auto mode when business closes or any after-hours calls will not be answer.)

# NOTES

## Dealer Service

The network of authorized Premier Technologies dealers can provide service backed by Premier's technical staff. For the name of your local dealer or for technical assistance from Premier Technologies, contact:

Premier Technologies, Inc.  
One Premier Drive, P.O. Box 159, Long Lake, MN 55356  
(612) 475-2317 • (800) 466-8642

## FCC PART 15 Class A Information:

This equipment uses and generates radio frequency energy. It has been tested and found to be in compliance with the limits for a Class A computing device in accordance with the specifications in Subpart A, Part 15 of the FCC rules. These limits are designed to prevent interference with radio and television reception in a commercial installation.

This product has passed FCC testing. However, if it is not installed and used properly, you may notice radio and television interference. You can minimize the chance of interference by carefully reading this manual and following the instructions for installation and operation of the unit.

If you have installed and are using this product properly and notice interference, you should verify the source of the interference by turning the suspected source of interference on and off. If this product is determined to be the cause of the interference, you are encouraged to try and correct the interference by the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between this product and the receiver.
- Connect this product to an outlet which is on a different branch circuit than the receiver.

If none of the above items correct the interference, contact an experienced radio or TV technician or your dealer for assistance.

Warning: The user is cautioned that changes or modifications not expressly approved by the Grantee of the equipment authorization could void the user's authority to operate the equipment.

FCC Part 68 Registration and Repair Information:

This product has been tested and found to be in compliance with standards in Part 68 of the FCC Rules. The FCC requires us to provide you with the following information:

1. Connection and use with the nationwide telephone network – The FCC requires that you connect your product to the nationwide telephone network through a modular telephone outlet or jack. The modular telephone outlet or jack to which the device must be connected is a USOC RJ-11C or RJ-11W. This equipment may not be used with Party Line Service or with Coin Telephone Lines.
2. Notification to the telephone company – The FCC requires that upon request of your local telephone company, you provide the FCC registration number and ringer equivalence (REN) for this equipment. This information can be found on a label located on the bottom of this product.
3. Use of REN – The REN number is used to determine the maximum quantity of devices which may be connected to the telephone line. Excessive REN's on the telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the REN's should be 5 or less. To be certain of the maximum allowed REN number, contact your local telephone company.
4. Repair Instructions – If trouble is experienced with your Model 1800 series equipment, please contact Premier Technologies, Inc. at 1-800-466-8642 for repair and (or) warranty information.
5. Rights of the telephone company – If your Model 1800 series equipment is causing harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice isn't practical, the telephone company will notify you as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary. The telephone company may also make changes in its facilities, equipment, operations, or procedures that could affect the operation of your equipment. If this happens, the telephone company will provide advance notice for you to make the necessary modifications in order to maintain uninterrupted service.
6. Requirements for hearing-aid compatibility are not applicable with this equipment.

## Warranty

Upon receipt, the manufacturer will repair or replace, at its option, for a period of three years from the date of installation, any system that proved defective in materials or workmanship. The manufacturer is not liable for indirect, incidental or consequential damages in connection with the use of this product. This limited warranty does not include labor for installation or removal of unit. This warranty is null and void if the label containing the serial number is removed.