

ISP 4400 Series  
In-Store Promotion  
INSTALLATION AND  
OPERATING INSTRUCTIONS



**PREMIER TECHNOLOGIES, INC.**

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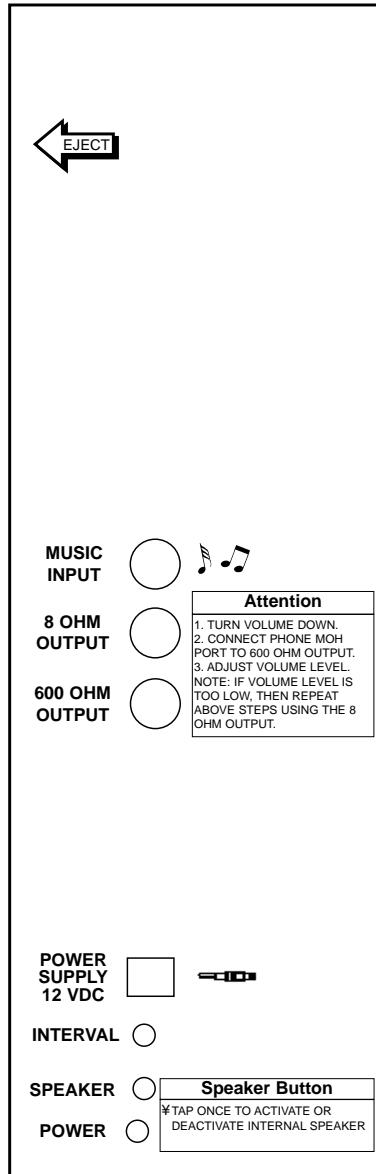
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# Operating Controls and Indicators



1.) **Music Input-** External music source.

2.) **8 Ohm Output-** Audio output capable of driving 5 watts into an 8 ohm load.

3.) **600 Ohm Output-** Same as 8 ohm output but higher impedance.

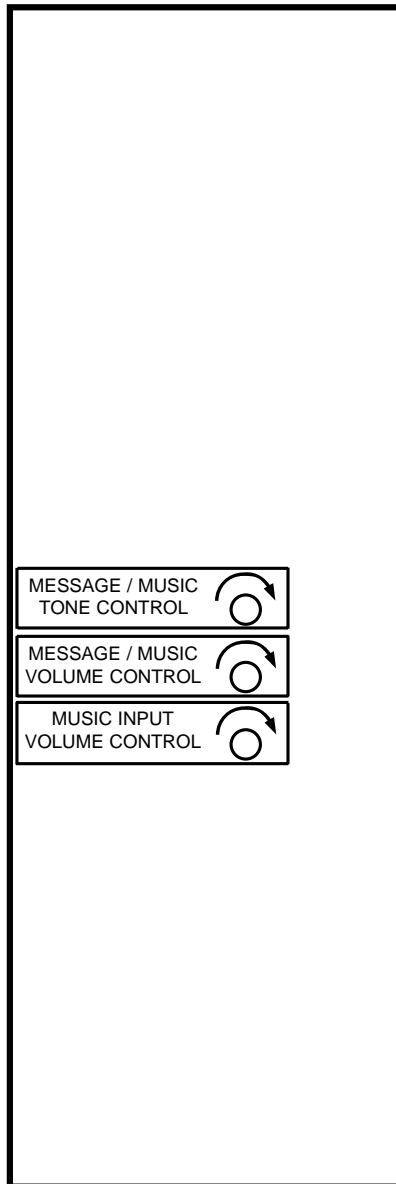
4.) **AC Adapter 12VDC-** Power source for unit.

5.) **Interval Push Button-** Used to change the message play interval.

6.) **Speaker Push Button-** Used to control internal speaker.

7.) **Power-LED-** Indicates power to the unit. NOTE: When power is first applied to the unit, LED will blink the number of 2 minute equivalents of memory and then stay on steady. The LED will turn off momentarily during other functions.

# Installation Procedure



1.) Turn "Message/Music Volume Control" all the way down (full counter-clockwise).

2.) Turn "Music Input Volume Control" all the way down (full counter-clockwise).

3.) Connect the "600 Ohm Output" to the music-on-hold input or other audio input.

4.) Connect the "Music Input" to the external music source line-out output or its speaker output. Note: if the speaker output is used, first turn the external music source volume control all the way down.

5.) Apply Power to the 4400.

6.) Adjust "Message/Music Volume Control" for proper volume during the playing of messages. If volume is insufficient, turn message/music volume all the way down, switch audio output from 600 ohm to 8 ohm and then re-adjust the volume.

7.) Adjust "Music Input Volume Control" as necessary for proper music volume and/or external music source volume. NOTE: The message/music volume must be adjusted for message volume level first. Do not change the message/music volume control or the message volume will change.

8.) Adjust Tone Control.

## General Operations

The 4400 is capable of storing up to 99 messages from the built-in audio tape player. All internal messages are stored in non-volatile digital flash memory. The 4400 can be ordered with different amounts of flash memory. Maximum available memory is 40 minutes.

The 4400 plays stored messages mixed with an external music source. Messages can be played at intervals from 0 to 30 minutes (the default message interval is 10 seconds). The play interval is controlled by pressing the interval button. Prior to playing a message, the 4400 decreases the volume of the background music and then plays the message over the music (ramp down time is 1.5 seconds). After the message is played, the background music increases and plays at full volume until the next message play interval.

The loading of the messages is done automatically by the 4400 after inserting a tape with an audio production. Verbal prompting assists the loading process. The 4400 automatically rewinds the tape, erases messages stored in flash memory and lastly records the new messages.

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## Detailed Operating Instructions

### 1.) Tape Download

Open the tape door, insert the audio tape and close the door. The 4400 rewinds the tape and says "I am digitizing your audio production." Everything is now done automatically. Do not remove the tape until the 4400 says, "I have successfully digitized your production." Upon completion of downloading, the unit immediately begins to play the stored message(s).

## 2.) Interval Programming

The default message play is 10 seconds. To change the message, play interval, press and hold the interval button. The LED will turn off after one second and then will blink on and off once per second as long as the button is pressed. The number of LED blinks will determine the new message play interval per the table below:

Blinks	Interval	Blinks	Interval
1	0 sec.	9	4 min.
2	10 sec.	10	5 min.
3	20 sec.	11	8 min.
4	30 sec.	12	10 min.
5	40 sec.	13	15 min.
6	1 min.	14	20 min.
7	2 min.	15	30 min.
8	3 min.		

## 3.) Display the Message Play Interval and Sample Rate

Momentarily press the interval button to display the message play interval and sample rate. The LED will blink the play interval per the above table, pause, and then blink the sample rate.

Sample Rate	Blinks
8kHz	1
12kHz	2
16kHz	3

## 4.) Audio Sampling Rates & Memory Size

The 4400 is factory configured with a standard audio sampling rate of 8kHz. This sampling rate provides high sound quality and maximum play time. It is the recommended choice for any kind of play over phone lines.

Alternate audio sampling rates of 12kHz or 16kHz can be programmed into the 4400. These sampling rates provide better sound quality than the standard 8kHz. The trade off is that they use more memory. The 16kHz setting results in the play time being cut in half. The 12kHz setting reduces the playing time to two thirds.

The 4400 is ordered by the number of minutes of play time, when in the 8kHz sample rate. Changing audio sample rates will change the maximum play time. Therefore, the user must order a larger memory size unit if the sampling rate will be changed.

#### **5.) Erase Messages**

A tape with 30 seconds of silence at the start of the tape will cause all messages to be erased and the interval time to be reset to 10 seconds.

#### **6.) Internal Speaker**

Tap speaker button once to activate or deactivate the internal speaker.

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### **Perform the following operations to change the audio sampling rate**

- 1.) Unplug the AC power plug from the 4400 and wait at least 5 seconds.
- 2.) Press and hold the "interval" and/or "speaker" buttons per the desired audio sampling rate.
  - Press only the "speaker" button for 16kHz
  - Press only the "interval" button for 12kHz
  - Press both buttons simultaneously for 8kHz
- 3.) Plug the AC power plug back into the 4400 and continue to press the designated button(s) until you see the LED begin to blink. Then release the button(s). The new audio sampling rate is entered into flash memory.

**NOTE:** Changing the sampling rate with old messages still stored in memory will cause them to play either fast or slow when the new sampling rate is played. These messages must be re-recorded at the new sampling rate to play at the proper speed.

## Dealer Service

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.

### 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.

# NOTES