

Made Right in the U.S.A.

Installation and Service Manual

DASA300/DASA400

**Digital Recorder/Player
Announcing System**

SMART

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Zap!

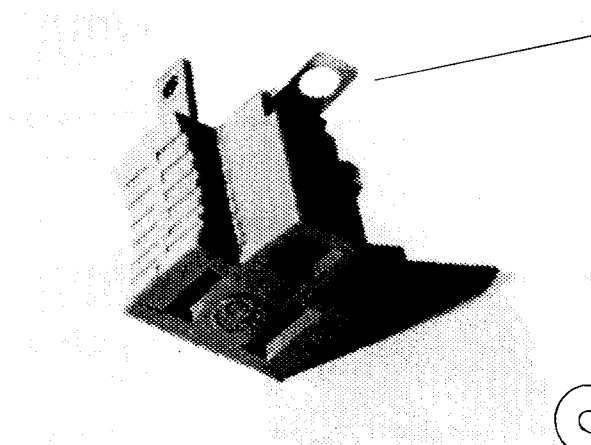
In the winter, when relative humidity is very low inside a heated building, your body can generate a very high voltage potential due to a static electricity buildup. If you touch the metal switches on the DASA300, you may see or feel a spark jump to the switches.

A very high voltage can zap the memory of the DASA300 and clear the stored message. This means you have to re-record the message.

A simple fix for this condition is to ground the case of the DASA300 to a good electrical ground source. This could be a copper water pipe, building ground system, or electrical outlet ground.

The power pack furnished with the DASA300 provides an isolated power source to the digital player. Adding a ground to the metal case will minimize the chance of losing a message due to static electricity discharges.

Grounding adapters are available at most hardware or electrical supply stores. Extend the ground wire with another piece of wire and slip the ground wire under one of the metal screws that secure the DASA300 to the wall. This will carry a ground connection to the case of the product. This should end any "Zapping" problems.



Ground Terminal. Connect a wire from here to the case of the DASA300.

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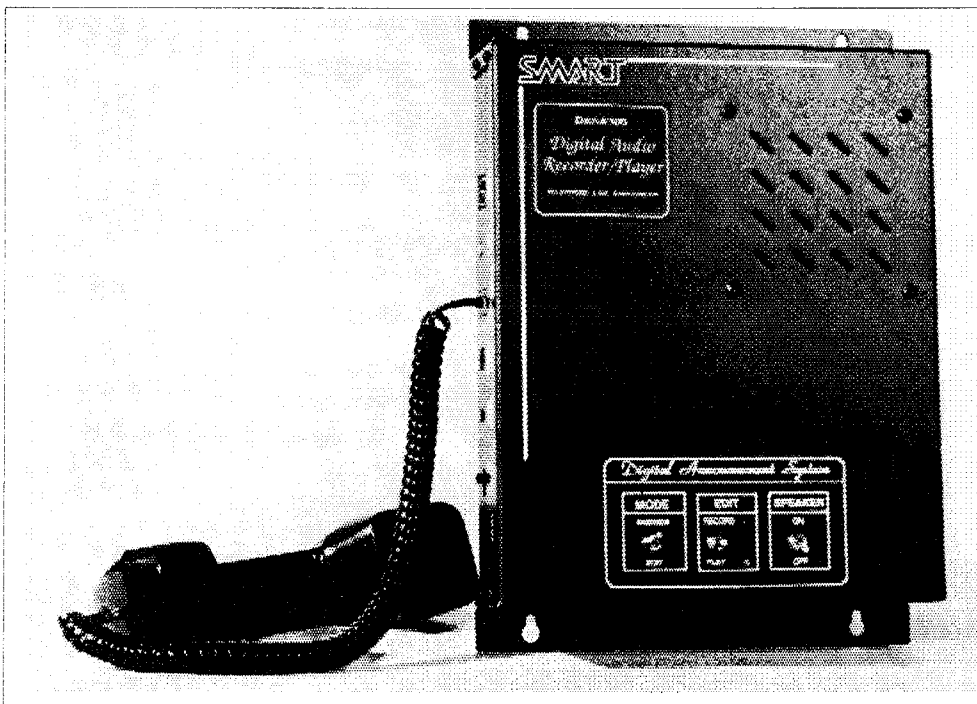
Model DASA300 and
DASA400

Description

The DASA300 Digital Recorder/Player Announcing System is capable of recording and playing up to a 5 minute 20 second high quality audio message to callers over a standard telephone or PABX ring loop start phone line. Your DASA300 or DASA400 combines advanced digital storage, audio processing and microprocessor technology, and extended frequency response to achieve truly natural sound reproduction and user friendly features.

The DASA300 was designed to provide a digitally stored audio information source to your callers. Your message can be loaded both locally via handset or tape, or remotely via telephone. This machine answers your phone line and may be loaded with a new message locally (at the machine) or remotely with a touch tone phone.

The DASA400 is a variation of the DASA300 but is used in a continuous "loop" mode of operation. It is primarily used for "Message on Hold" applications and is connected to a phone system that has a



"music on hold" input that has a tape player or radio as an audio source. The two models look alike, but have slightly different internal circuitry. The DASA400 will not answer the phone line. The TELCO jack has been disabled on the DASA400 model, and the AUDIO OUTPUT jack is enabled. A volume level control on the side of the unit is also active to adjust the proper audio level to the "Music on Telephone Hold" input of your telephone system.

The DASA300 and DASA400 feature easy to use controls, built-in monitor speaker and a rechargeable battery backup system capable of operating the unit for up to 1 hour in the event of a power failure.

PHYSICAL SPECIFICATIONS

MECHANICAL

Height..... 11.5"
Width..... 8.0"
Depth..... 2.25"
Weight..... 2 lbs.
Color..... Black with White Lettering

ENVIRONMENTAL

Ambient Conditions..... 0C to 55C @ 0% to 95% Relative Humidity non-condensing

MOUNTING..... Vertical Wall Mount

POWER

AC Primary Input..... 110 VAC 60Hz to 12 Vdc 300 mA
Power Pack UL/CSA Listed
Battery Back-up..... Internal, 7.2 Vdc, NiCad

***SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE***

TECHNICAL SPECIFICATIONS

ELECTRICAL

Encoding/Decoding.....ADM (Adaptive Delta Modulation)
Sampling Frequency.....64 Kbits per second (also 34 or 128 Kbits selectable)
Frequency Response...50 Hz to 7 KHz +/- 1.5 dB
Input/Output Filter.....4th order switched capacitor
Signal to Noise Ratio...> 50dB
Distortion.....< 2%THD

MEMORY

Type.....Dynamic RAM
Size..... 2048K Bytes

MESSAGE

Number of Messages...One Variable Length
Maximum Message Times..... 5 min 20 sec.

TELCO INTERFACE

Type.....Ring, Loop Start, CO Line or PABX
Connector.....USOC Type Modular RJ11C
Number of Lines.....One

CONTROL

Local.....Front Panel
Remote.....DTMF tones via Telco Line

AUDIO

INPUT/OUTPUT

Handset..... Telephone Handset Modular Jack
Tape Input..... 2 Volt P-P, 3.5mm Jack
Audio Monitor..... Internal Speaker

SOFTWARE CONTROLLED FEATURES

(Factory Options)

Answer..... First (factory setting) or Third Ring

Play Once and Disconnect (factory setting), or Play Continuously until Calling Party Disconnects.

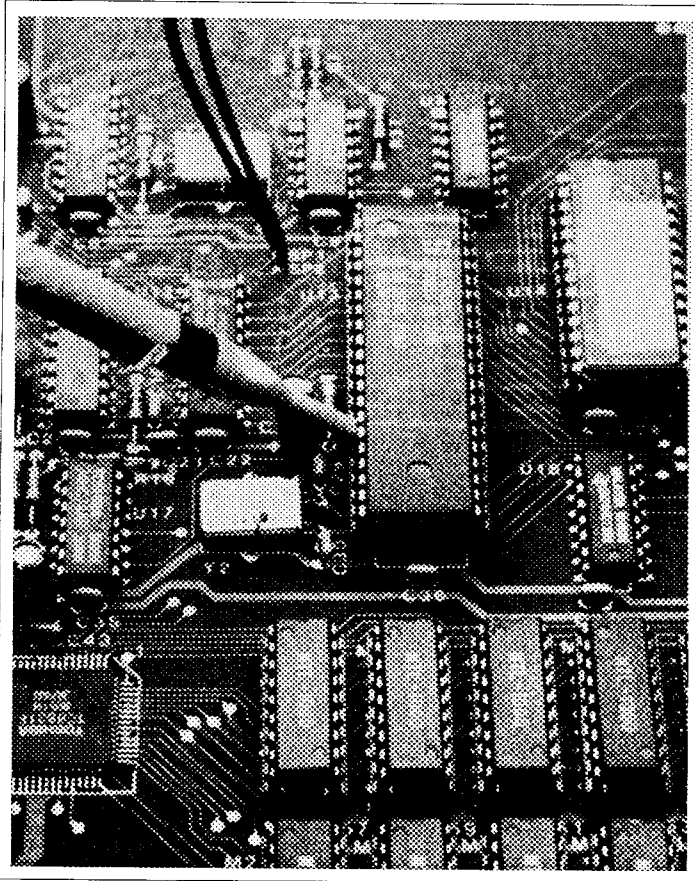
Password.....Four Digit Standard

Continuous looping of message on model DASA400 only.

OPERATION SUMMARY

MODE SWITCH - ANSWER/EDIT

This switch is used to place the unit in either the Edit (local) Mode or Answer (telephone answer) Mode. When placed in Edit Mode, the unit will not answer calls from the telephone line and you may record or play your message using the "Edit" switch with the audio input by either the Telco handset or Tape input. When placed in the Answer Mode, the unit will answer calls from the telephone line and immediately play the recorded message. In



The DASA300 is controlled by a CPU (central processing Unit) just like a computer.

In addition, the Answer Mode allows users the ability to record over the telephone line via password access.

EDIT - RECORD/PLAY

This switch is used to start and stop the record or play function while in the Edit Mode. This switch is disabled when in the Answer Mode.

MONITOR SPEAKER - ON/OFF

This switch is used to enable or disable the internal monitor speaker.

12 VDC

This connector is used to connect the external DC power pack.

POWER - ON/OFF

This switch is used to select power to the system and to enable the battery backup system.

