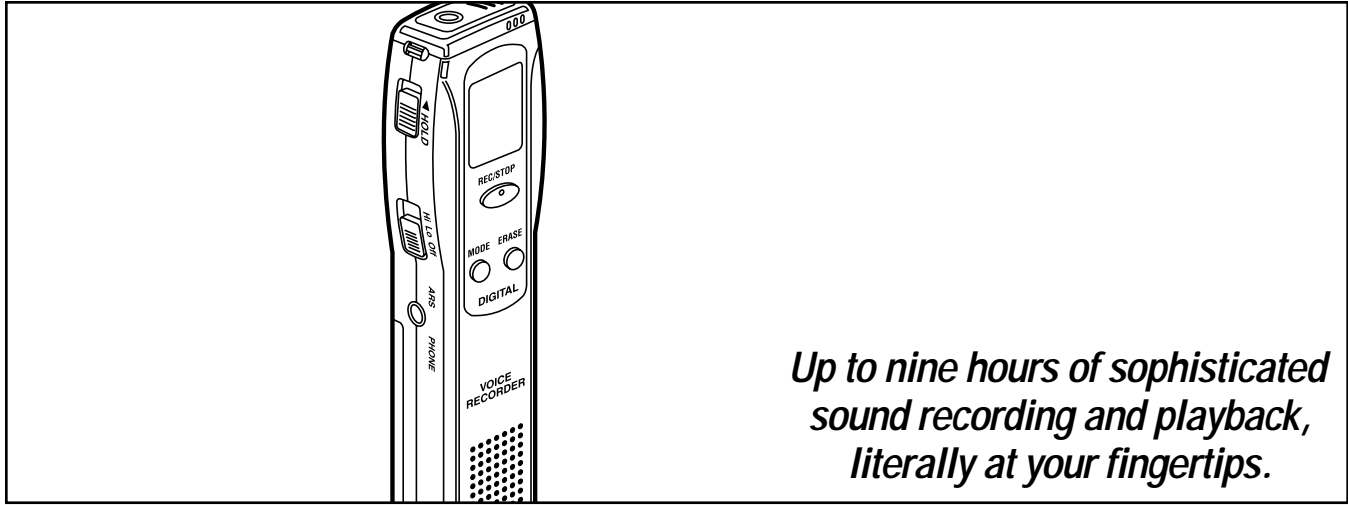




# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### DIGITAL VOICE RECORDER



*Up to nine hours of sophisticated sound recording and playback, literally at your fingertips.*

#### Key Features

- ▶ **Sensitive built-in omnidirectional microphone.**
- ▶ **Stores up to 99 audio clips in each of 4 files (396 messages total).**
- ▶ **Automatic Recording System (ARS) skips silence to maximize recording time.**
- ▶ **In Slow Play, can record up to 4 hours and 18 minutes of high-quality sound.**
- ▶ **In Long Play, can record for up to 9 hours and 22 minutes.**
- ▶ **Uses two included AAA batteries.**

The Digital Voice Recorder might not be the ultimate personal dictaphone and portable recorder, but we got as close as we could!

Its built-in omnidirectional microphone is very sensitive to all of the sounds in its vicinity. Just press and hold the REC/STOP button for a moment, and the Recorder will begin storing whatever the microphone picks up in its internal flash memory until you press REC/STOP again. This single audio clip constitutes one numbered message. The Recorder's memory is divided into four files that can each hold as many as 99 messages, giving you a total capacity of 396 messages.

The Recorder has two recording modes. In Slow Play (SP), the Recorder records in higher quality and can store messages with a cumulative running time up to 4 hours and 18 minutes before running out of space. In Long Play (LP), the Recorder can hold more than a full workday of continuous

messages—up to 9 hours and 22 minutes of running time!

Two alkaline AAA batteries (included) power the Recorder for as much as 10 hours of recording, 8 hours of message playback through the included earphone, or 6.5 hours of playback through the Recorder's 23-mm speaker.

To help keep your batteries alive, the Recorder has a HOLD switch that you can turn on to prevent the Recorder from operating when you don't want it to (when it's bumping around in a pocket or briefcase, for example).

More importantly, if you enable the Recorder's Automatic Recording System (ARS), it will automatically turn off the Recorder during periods of silence, eliminating pauses and dead air that can run your batteries down needlessly.

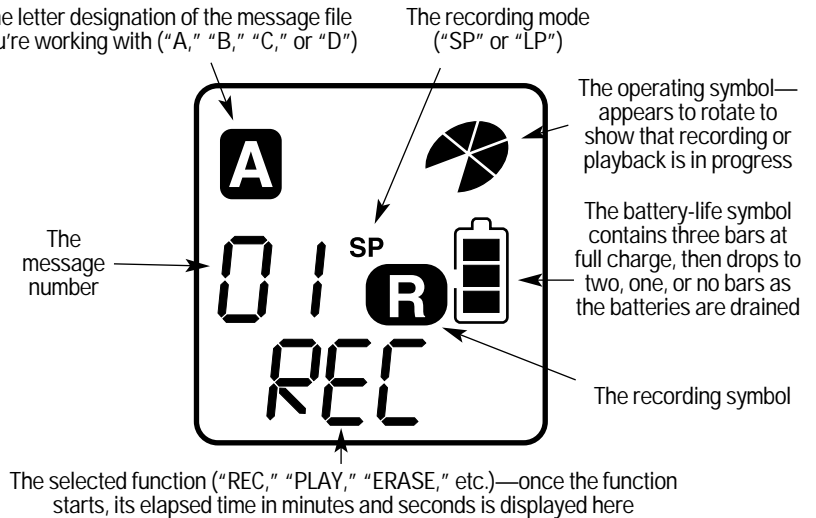
The Recorder also has a "sleep" feature: It will turn itself off automatically if it's left on for a full minute without being operated.

You can do all sorts of things with your messages. Recording and playback can be paused manually, the playback of a message can be repeated indefinitely, and you can fast-forward, rewind, search, scan, and erase your messages.

To see what the Recorder is doing at any given moment, just check its front-panel LCD. It indicates many different conditions, as shown on page 2, including the elapsed time of a message you are recording or playing back, or the remaining recording time left in the Recorder's memory.

You can connect the Recorder to a wide variety of external devices, such as a telephone or the included microphone or earphone. The Recorder even comes with audio cable for connection to a sound card, plus Jet Voice Mail software for message handling on an IBM<sup>®</sup> compatible PC.

*The LCD on the Recorder's front panel tells you all you need to know about how the Recorder is working. Here's the initial "start of recording" display.*



## Specifications

**Compliance:** CE; FCC Part 15 Subpart J Class B, IC Class/ classe B

**Microphone:**  
Type: Built-in mono audio omnidirectional electrical condenser;  
Sensitivity: -45 dB

**Other Interfaces:**  
3.5-mm mini mono audio input (from external microphone) requires impedance below 3 kilohms;  
3.5-mm mini mono audio output (to earphones, etc.) requires impedance above 8 ohms (we recommend 32 ohms)

**Maximum Power Output:** 5 mW to earphone, 80 mW to speaker; at speaker impedance of 8 ohms, yields 10% total harmonic distortion

**Frequency Bandwidth:** 500 to 3200 Hz

**Memory:** Internal flash type

**Recording Time:** 4 hours and 18 minutes in SP (slow play) mode, 9 hours and 22 minutes in LP (long play) mode

**Max. No. of Recorded Messages:** 396 (99 in each of four files)

**User Controls:**  
(3) Front-mounted pushbuttons: Record/stop, erase, mode/pause;  
(2) Left-side mounted slide switches: HOLD, ARS (Automatic Recording System);  
(3) Right-side-mounted: PLAY/STOP pushdial (with FF and REWIND); FILE button; Volume dial

**Indicators:**  
Front-mounted LCD;  
(1) Recording LED on front-mounted REC/STOP button

**Connectors:**  
(2) 3.5-mm mini mono audio jacks:  
(1) Top-mounted for input,  
(1) Left-side-mounted for output

**Speaker Diameter:** 23 mm (0.9")

**Temperature Tolerance:** 32 to 104°F (0 to 40°C)

**Humidity Tolerance:**  
Operating: Up to 60% noncondensing;  
Storage: Up to 90% noncondensing

**Power:** From two included alkaline AAA batteries:  
Input: 3 VDC;  
Battery life:  
Approx. 10 hours of recording;  
Approx. 8 hours of earphone playback at volume 5;  
Approx. 6.5 hours of speaker playback at volume 5

**Size:** 4.2"H x 1"W x 0.6"D (10.7 x 2.5 x 1.5 cm)

**Weight:**  
Without batteries: 1.2 oz. (34 g);  
With batteries: 1.9 oz. (54 g)

## The complete package

- The Digital Voice Recorder.
- (2) Alkaline AAA batteries.
- Earphone.
- External microphone.
- Telephone adapter.
- Phone cable.
- LINE IN/LINE OUT audio cable.
- Wrist strap.
- Mini CD-ROM with IBM PC and Microsoft® Windows® compatible Jet Voice Mail software.
- A manual.

## Ordering Information

ITEM	CODE
Digital Voice Recorder .....	TE110A



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.