



EAS APPLICATION NOTE No. 1006a

EAS 911 DIGITAL VOICE RECORDER OPERATION

The EAS 911T and 911R Encoder/Decoders provide two separate voice recorders: a **Two Minute** incoming off-the-air EAS Alert Voice Announcement record/playback area and a **25 Second** Pre-Recorded Announcement record/playback area, intended for cable TV applications only.

Both voice announcements are stored in non-volatile memory; that is, AC power can be disrupted or removed from the EAS 911, and the announcement will remain in memory and can be played back when power is restored.

Two Minute Memory

The two minute recorder is activated when an EAS alert message is received by the EAS 911. After receipt of the EAS Header and the two-tone Attention Signal, the alert voice announcement is recorded until two minutes have elapsed or an End Of Message (EOM) is received, whichever occurs first.

When the EAS message is forwarded **Automatically**, the EAS voice announcement will be transmitted at the conclusion of the Attention Signal. When the message is forwarded **Manually**, the operator has the option of transmitting the recorded voice announcement at the conclusion of the Attention Signal or inserting a new voice announcement from the studio's console. The recorded incoming alert voice announcement can be forwarded as many times as necessary and remains in memory until a new incoming message is received off the air.

With new software version 0.79, voice messages can be pre-recorded in the two minute memory using Setup Menu #29 RECORD ALERT VOICE MESSAGE. The recorded message will be transmitted with the next manually encoded or manually forwarded EAS message.

25-Second Memory

The 25-second Pre-Recorded Voice Announcement recorder is intended to be used by Cable headends to refer viewers to a "Details Channel" for more information about the EAS alert. The announcement **playback** is controlled through the Character Generator serial port, COM2, of a 911T's Four Port COM Expander option, and uses a special protocol.

TFT Application Note 1004 describes the interaction required between the EAS 911T's COM2 port and the external device, usually an automation system or a Personal Computer running Broadcast Software Solutions* (B.S.S.) MasterEAS™ or MasterCG™ software.

To record a Voice Announcement for a Cable TV application:

1. Connect an audio source to the CH1 input at J102 on the EAS 911 rear panel. A microphone must be amplified to approximately 0 dBm to record properly.
2. Access the Setup menu by entering the primary and secondary passwords. Select item 21. RECORD VOICE ANNOUNCEMENT and press ENTER. Use the Δ and ∇ keys to set the speaker level if desired.
3. Press ENTER to begin recording. The LCD will display the duration of the recording.
4. Press EXIT to stop. The announcement will be played back immediately for review.

To review a Voice Announcement:

1. Access the Setup menu by entering the primary and secondary passwords. Select item 22. VERIFY VOICE ANNOUNCEMENT and press ENTER. Use the Δ and ∇ keys to set the speaker level if desired. The LCD will display ANNOUNCEMENT and count down seconds to the end of the announcement.
2. Press EXIT to stop.