

# Quick-Start Installation Procedure

## Telephone Paging & Background Music Interface

### Model VA-TBM



## **IMPORTANT!** Follow These Instructions

The VA-TBM paging and music interface has been pre-programmed to provide standard all-call paging through VoiceArrest™ controllers and/or amplified paging speakers. Additional programming is only necessary if you wish enhance or modify the standard configuration.

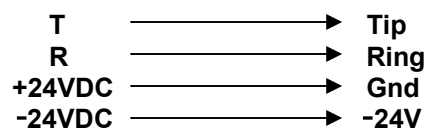
**>>> Do not apply power to the VA-TBM Interface until instructed to do so in Step 2F <<<**

### Step 1. **Connect VoiceArrest™ Controllers - or - Amplified Speakers to outputs.**

#### Paging Output      VoiceArrest™ Controller



#### Paging Output      Amplified Speaker



### Step 2. **Initial level settings and system testing** (do this prior to connecting to the phone system).

**Important Note:** All VoiceArrest™ Controllers must be on and set to their proper operating levels before setting the paging and background music levels. Note also that the paging and music levels may need to be re-adjusted after connecting to the phone system.

#### A. Set the following level adjustments to their mid-range (center) position.

- Page & Music Output Level
- Page Only Output Level
- Music Input Level
- Music Mute Level
- Tone Level

#### B. Set the following level adjustment to its fully clockwise (maximum) position.

- Limiter Threshold

#### C. Set the PGM/RUN switch to the “RUN” position.

#### D. Configure the interface switches for a Loop Start Trunk Port interface as shown in step 3B.

#### E. Connect a standard single-line telephone or test set to the Trunk/Page Port jack.

#### F. Apply power to the VA-TBM interface. Power LED should be on.

**Instructions continued on page 2 . . .**

## Step 2. (continued) Initial level settings and system testing.

- G. Adjust output levels.** Take the telephone or test set off-hook. You will hear to short tones. Speak into the handset at a normal level and adjust each output level control to the desired paging level.
- H. Adjust the LIMITER THRESHOLD setting.** Start with the control in the fully clockwise (maximum) position. While speaking into the handset at a normal level, slowly turn the control counter-clockwise until the limiter activity LED begins to consistently flash as you speak.
- I. Connect the music source.** Connect the music source to the music input and adjust the music input level control for the desired background music level. Adjust the mute level control for the desired amount of music muting during a page.

## Step 3. Connecting the phone system to the VA-TBM Interface.

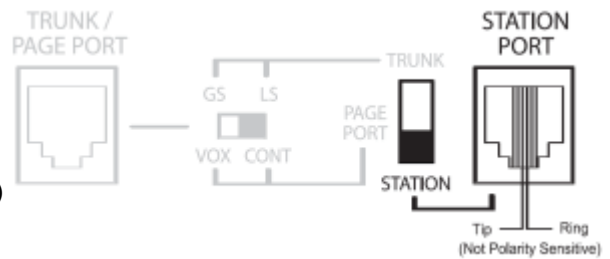
This step of the installation should be performed by a qualified telecom installer familiar with the particular phone or PBX system to be interfaced with. The three previous steps must be completed before proceeding.

**Important!** Always power interface down and back up after changing interface switch settings.

### A. Analog Station Port Interface

(Refer to page 9 of the installation manual for a complete description of this interface.)

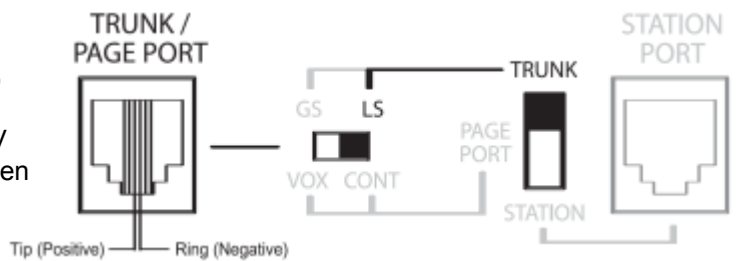
In this configuration, the unit answers immediately upon detecting a ring. CPC (Calling Party Disconnect) or Loop Disconnect must be enabled on the CO line or analog station line connected to this port.



### B. Loop Start Trunk Port Interface

(Refer to page 7 of the installation manual for a complete description of this interface.)

In this configuration, the unit supplies a 24V talk battery and loop current detection. When the unit detects a loop resistance between Tip and Ring, it activates. The unit follows the status of the trunk port. The Tip and Ring have a specific polarity as shown above.



### C. Page Port Contact Interface

(Refer to page 8 of the installation manual for a complete description of this interface.)

In this configuration, the unit responds to contact closure shorting the closure source to its return. When the short is removed, the page ends.

