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Vocia®

TTS-2
Installation and Operation Guide

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TTS-2 PRODUCT DESCRIPTION



Overview

The Vocia Text to Speech Processor 2 (TTS-2) is designed to work in conjunction with a Vocia Message Processor 1 (MS-1e) to enable text to speech messaging as part of a Vocia system solution.

The TTS-2 uses Ethernet-based control protocols in conjunction with Cobranet to function within a Biamp Vocia system and constructs announcements using a set of user-defined templates.

Natural-sounding voice fonts (x134) are preinstalled to suit regional languages for nurse call and announcements. There is no need to purchase voice packages for use. The system configuration and nurse call text sequences are programmed using Vocia software.

The TTS-2 can be connected via RS-232 with nurse call systems that make use of the TAP protocol. Rauland Responder 4 and 5 are supported natively.

CONTENTS

- TTS-2
- Rack Ears (Right & Left)
- Hardware (for rack ear attachment)

NECESSARY SOFTWARE & TOOLS

- Vocia Software (download from Biamp website)
- #2 Phillips screwdriver
- Small (0.12" [3 mm]) flat screwdriver
- Cornerstone Articles on Vocia systems and hardware

TTS-2 SETUP AND INSTALLATION

Setup and Use

The Vocia software provides an intuitive interface for configuration of the TTS-2. In addition, the Vocia Text-to-Speech processor supports a web browser to enable user configuration of custom text strings. The information supplied by this manual relates to physical connections and assignment. For more details on software setup, please consult the Vocia Help File (vocia-help.biamp.com).

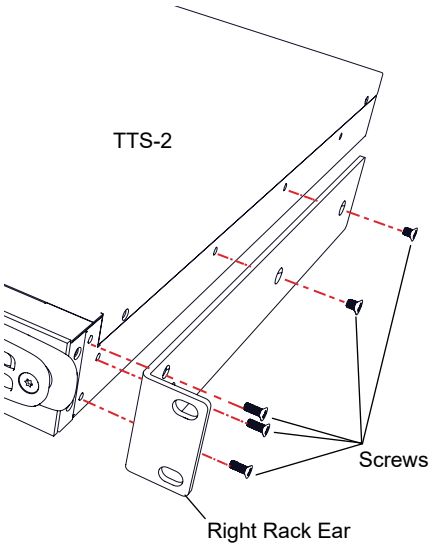
Installation

The unit requires one 1.75" (44 mm) high and 19" (483 mm) wide rack space with 17" (432 mm) depth. Mounting the unit using four screws with washers will prevent marring of the front panel. PVC or nylon washers are appropriate. The unit should also be supported at the rear to prevent bending of the enclosure and/or rack ears.

When installing the rack ears, please note that the rack ears are not interchangeable. Please install the rack ear labeled “left” on the left side of the unit (when looking at the equipment facing the front plate) and the rack ear labeled “right” to the right of the unit.

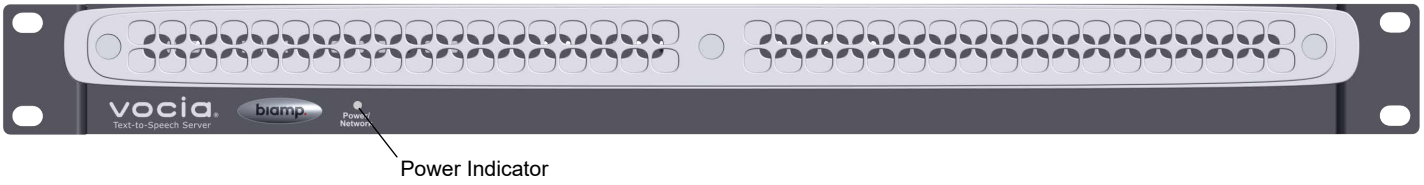
- Remove the screw from the chassis (with a Phillips #2 screw driver)
- Attach the appropriate rack ear and re-affix the Phillips screw to the chassis secure the ear with the included (4) Phillips screws.

Install the unit away from heat sources, such as vents and radiators, and in rooms with adequate ventilation. Ensure that air can circulate freely behind, beside, and above the unit. Do not exceed the maximum ambient operating temperature of 32° to 113° F (0° to 42°C). Be aware of conditions in an enclosed rack that may cause the temperature to exceed ambient room conditions.



Rack Ear Installation

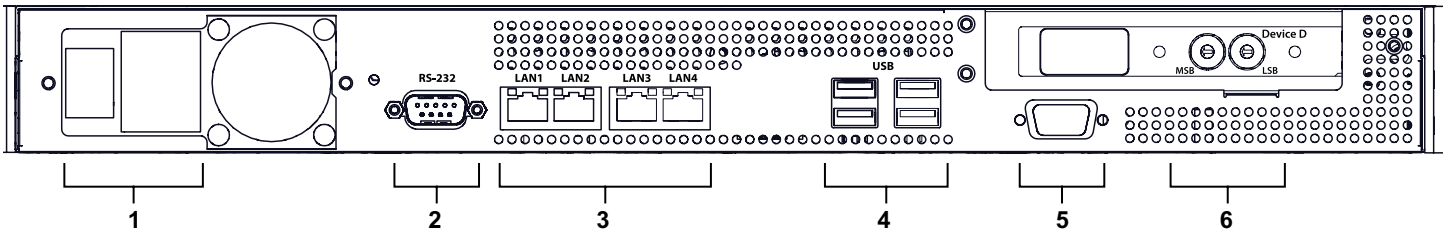
TTS-2 FRONT



The Unit features one power indication LED on the front panel:

- **Not illuminated:** The device is not powered.
- **Flashing green:** The unit is receiving power but not data, or the unit has not been configured correctly.
- **Solid green:** The unit is operational. Power supply and network traffic are functional.

TTS-2 REAR



1 - AC Power Entrance (IEC)

The IEC power entrance provides for connection of the appropriate power cord (included with unit). An internal universal switching power supply accepts 100~240VAC @ 50/60Hz, with a maximum power consumption of 350 watts.

CAUTION
Do not remove or defeat the ground prong on the power cord, as this will constitute a shock hazard. Equipment should be connected to a mains socket outlet with a protective earthing connection. This plug is the main disconnecting device and should remain readily operable. There are no user interchangeable parts. Please contact Biamp Technical Support or your local distributor for all service requirements.

2 - RS-232 Port

This port is used to facilitate interfacing to a external nurse call system. The port interfaces to a TAP enabled device in order to generate Text to Speech or recorded messages or play specified configured Vocia Page Codes. The Vocia software allows customization of the rules and messages. Please refer to the Specifications page for all supported connection speeds.

For more details on setup and configuration, please consult the Vocia Help File (vocia-help.biamp.com).

3 - Network Connection

The TTS-2 has four RJ45 Ethernet connectors located on the rear panel (Control, CobraNet, Spare and Spare). Each connector has two green LEDs, which display Ethernet Link (left LED) and Activity (right LED). The TTS-2 does not display the status of the CobraNet conductor.

LAN-1 Connector (Control)

This port connects the TTS-2 to a control network. This should be separate to the LAN that is being used by the CobraNet port either physically or through the use of managed switches and VLANs. The TTS-2 can be configured in the Vocia software interface via this port, and as such it should be connected to the same network as the configuration PC during set up. The default IP address of the TTS-2 is 192.168.1.102.

LAN-2 Connector (CobraNet)

This port is used to communicate with local Vocia devices and as such should be connected to the same network as the local Vocia system. The data from the CobraNet network should be placed on its own LAN, either physically or through the use of managed switches and VLANs. Vocia makes dynamic use of available bundles in CobraNet. Vocia devices are currently not interoperable with non-Vocia devices.

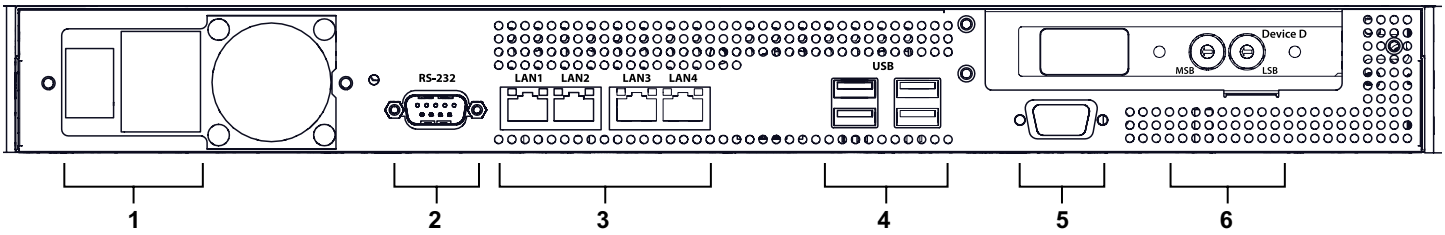
LAN-3 Connector (Spare)

This port is inactive at this time.

LAN-4 Connector (Spare)

This port is inactive at this time.

TTS-2 REAR (continued)



4 - Inactive (USB-A)

These ports are inactive at this time.

5 - Inactive

This port is inactive at this time.

NOTE
Connection of external devices to inactive ports is not required nor recommended.

6 - Device ID

The rotary ID switches give the unit a unique Device ID. The switches are in hexadecimal format. All units of the same device type must have a unique Device ID to function properly within a Vocia Paging World. The Factory Default Device ID is 01. A Device ID of 00 is invalid and cannot be used.



To assign a Device ID of hex 07, leave the MSB switch on 0 and turn the LSB switch to 7. Device ID switches should be set using a 0.1 inch (2.5mm) to 0.12 inch (3.0mm) flat blade screwdriver. More information on setting IDs and the hexadecimal numbering scheme can be found in the Vocia Help File.

NOTE
Changes made to the Device ID while connected to the network require a power cycle in order to take effect.

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