

# WavWriter

## ADA Compliant Public Address and Visual Messaging

WavWriter is Penta Corporation's premier control suite that provides for the accurate creation, efficient distribution, and effective control of ADA compliant voice and visual messaging over modern data networks for the world's great transportation systems.

Whether using subway, commuter rail, light rail, trolley, bus, or airlines; Penta's WavWriter can deliver timely, useful, and effective information to audio systems, LED displays, video displays, personal communication devices and smart phones.

### KEY FEATURES

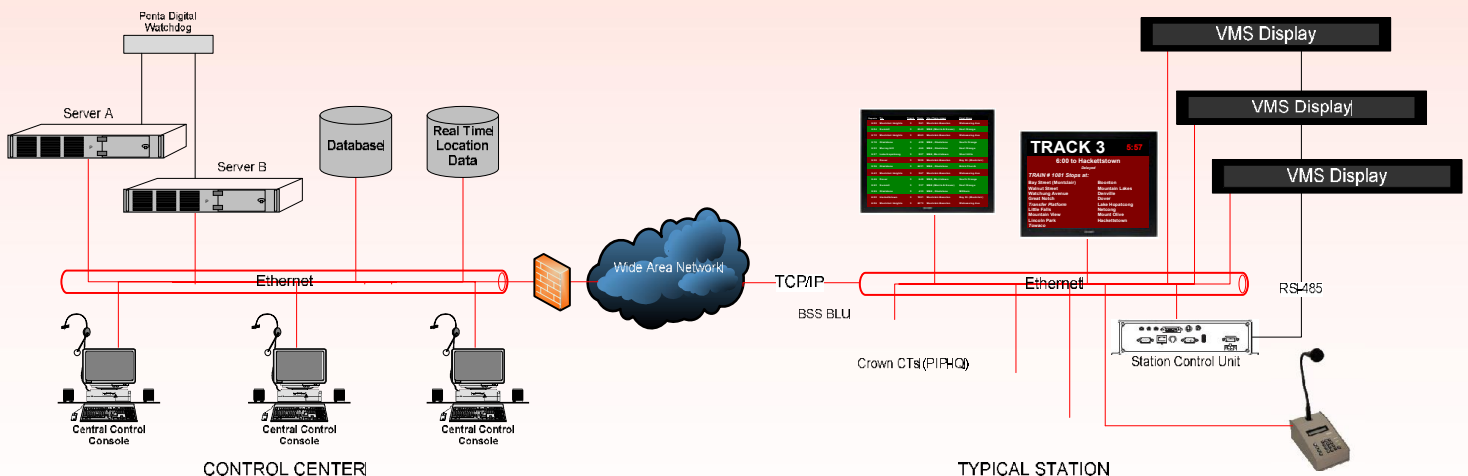
- ◆ **Redundant Servers with Auto Switchover**
- ◆ **Voice over IP**
- ◆ **Live**
- ◆ **Pre-Recorded**
- ◆ **Text-to-Speech**
- ◆ **Automated Arrival/Departure**
- ◆ **Emergency Messaging**
- ◆ **Universal LED Display Interface**
- ◆ **Web Based Schedule and status**
- ◆ **PDA and Smartphone web module**
- ◆ **Monitor and Supervise all components**
- ◆ **Remote Access and Supervision**
- ◆ **Spell checker/Profanity Filter**
- ◆ **Multi-Lingual**



At the heart of the WavWriter functionality is the intuitive map-based user interface allowing the delivery of VOIP live announcements, pre-recorded messages, or text to speech messages to individual stations or groups of stations and zones within those stations.

In addition to the user initiated messaging, the WavWriter system is designed for the automated delivery of arrival, departure, customer service and emergency messages through IP communications with Centralize Train Control, SCADA, FIDS, GPS, AVL or other real-time tracking systems as well as the schedule database.

The Windows® based software provides one-touch toolbar shortcuts and control buttons for creating messages, editing, and scheduling.



**PENTA**  
CORPORATION

ISO 9001:2000  
Certified

325 Edwards Ave.  
New Orleans, LA 70123  
504-733-1700 fax 504-734-5041  
www.Penta-Corp.com

**Central Servers:**

The resiliency of the Penta WavWriter system is based on redundant hot standby servers constantly monitored by Penta's Digital Watchdog. If the active server fails to update the watchdog within a programmable time period, the digital watchdog will make the hot-standby server the active server in the system. In addition to the automatic failover, the digital watchdog provides audible and visible alarms and the active server logs all events. Events and alarms are sent to consoles and can also be accessed via system database

Announcements are stored in an automatically maintained central database. Penta's WavWriter administration software allows easy editing of both professionally recorded and locally generated announcements.

Separate schedules for weekdays, weekends, or holidays may be utilized, and exceptions may be defined by operator input.

**Local Station Control:**

The WavWriter system offers local override and editing of both text and audio messaging using the station processor. Local managers may also adjust the volume, ambient noise compensation, compression and tone control.

SCUs also provide communication path interface, PA amplifier interface, message/storage output, automatic volume control, equipment/line monitoring, and control of multiple zones.

Interface to LED displays can be done using R485/422, or TCP/IP either locally or remotely from the redundant WavWriter Servers.

Penta's WavWriter Field unit application can be used with all brands of professional audio processors and amplifiers; however, Penta's WavWriter suite communicates directly with Crown and BSS pro-audio components providing a complete software based supervision and control system.

