

digital PA

Audio Systems

From a straightforward system design with one speaker through to configurations involving many speakers, digital PA provides an easy to use audio system with leading edge technology that is effortlessly customised and completely networkable.

Basic digital PA systems can be configured for many different settings and are suitable for corporate offices, retail outlets, pubs, clubs, churches, schools and more.

PRODUCTS INCLUDE:



Network Amplifier Modules (NAM and NAM HP)

Network Amplifier Modules (NAM) can be installed in the field near the location of the speakers with both indoor and outdoor (IP66) versions available. Each NAM has 4 x 12 Watt RMS class D amplifier channels and NAM High Powered (HP) has 4 x 50 Watts or 2 x 100 Watts RMS class D amplifier channels. Both NAMs have an Ethernet switch, as well as built in DSP (EQ, FIR, delay and gain). Each amplifier has an individual Dante input allowing for simple zoning and future changes. NAM HP also includes a Hearing Loop Amplifier Mode with 2 separate loops (up to 10Amps) and phased array mode.



Dante Input / Output (DIO)

The DIO offers an impressive range of tools and converters. It boasts a 2 port Ethernet switch (1x 1Gb Copper and 1x SFP cage), Dante audio, AES Input and Output, Mic Input, Line Input, Line Output, Headphone Output with external volume control and 2 x GPIO. The DIO is powered by PoE (Power over Ethernet) or runs via an external PSU. Redundancy is provided between both power sources.



Zone Controller - The Dante Source Selector

Zone Controller can integrate into any digital PA system and control all NAMs and DIOs via a simple GUI on mobiles, tablets and desktops. Additionally, it can be installed to work with all existing analogue PA systems giving them the same easy-to-use interface as the newest digital PA. Users can adjust volumes, select sources, mute and maintain the offsets between multiple speakers and zones. It is possible to have unlimited controllers and sources, up to 20 zones and up to 100 devices per controller.

digital PA



Matrix & Paging

Suitable for larger areas and across multiple sites. These systems include; audio prioritisation, DSP and the ability to incorporate paging stations. With other features such as ambient noise control, these systems are designed to handle any challenge with ease.

Matrix and Paging digital PA systems work at their best for large public areas (such as Sydney's Darling Harbour precinct), transport hubs (train stations, airports, bus terminals etc), casinos and other large public venues. These systems also work for multi-site applications across any IT network near or far.

Features

- **Audio mixing**
- **Audio prioritisation**
- **Multiple audio sources**
- **Multiple paging stations, from one to hundreds**
- **Suitable for multi-site installations**
- **Ambient noise control**

PRODUCTS INCLUDE:



Compact Frame

The Compact Frame allows for smaller scale systems with a set input/output. They offer a fully summing audio matrix with broadcast quality audio. These frames allow remote configuration over the network, have redundant power supplies and are expandable by up to 64 Dante channels.



MF4 Frame

The MF4 series is a modular system with each frame having the capacity to run up to 256 zones. The MF4 includes redundant power supplies and supports analogue, AES, Dante and MAD1 as well as GPI/O and an API.



Paging Panels

The multi-purpose digitalPA Paging Panels are used for making announcements, listening to audio as well as logic control and offer a fully functional intercom system. Units include the new digital PA Desk 16 Mini, a completely configurable, Dante-enabled Paging Panel. Desktop panels and rackmount panels are available.

digital PA



Mobile PA

For the ultimate in operational flexibility and integration, Mobile PA systems allow staff to make announcements from mobile phones and computers without any additional hardware. Mobile PA also features the ability to GPS locate positions and automatically connect to the right zone.

Suitable for medium to large installations, make announcements from anywhere to anywhere.

Features

- **Make announcements from a mobile phone to single and grouped zones**
- **Listen to zones from a mobile phone**
- **GPS locate a position and automatically connect to the zone (perfect for train stations)**

PRODUCTS INCLUDE:



VCOM Virtual Panel Software

VCOM virtual panels are integrated into the digital PA system for flexibility and portability. This allows seamless access from mobile devices including most smartphones, tablets and even windows laptops. The virtual panels can work with either standard Wi-Fi networks or connect from anywhere with an internet connection.



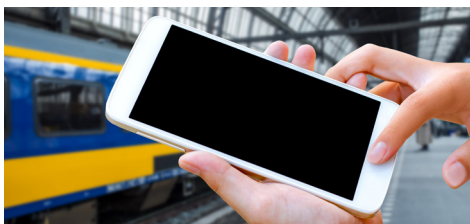
VCOM Server

The VCOM Virtual Server is highly scalable to thousands of users and supports virtually an unlimited number of point-to-points, group calls, and conference channels. It boasts AES-256 encryption, is fully redundant and an array of User Interfaces are available to meet specific communications requirements.



VCOM Statistics Server

The VCOM Statistics Server is a dedicated server that gathers data and analytics on the digital PA system for reporting purposes. It allows system users to understand how many announcements are being made as well as where and when.



Platform Connect (GPS location software)

This highly intuitive yet simple to operate system offers the latest technology which locates the GPS position of a device being used to access it and automatically connect to the correct zone to make an announcement.

digital PA



Monitoring & Management

Primarily for larger scale installations, these systems have the impressive ability to monitor and control an entire network or facility from a single webpage. These systems are flexible and simple to operate yet robust enough to manage network monitoring and public address across vast areas.

digital PA monitoring and management systems work well for very large installations. They have the advantage for users of simplifying maintenance and operational management.

Features

- **Central Network Management System (CNMS) featuring DataMiner**
- **IP PBX integration for paging, information and help points**
- **Audio transportation for sites without network connections (4G, ISDN/PSTN)**

PRODUCTS INCLUDE:

dataminer
by skyline communications

DataMiner CNMS

A CNMS featuring DataMiner offers a complete professional environment to manage more efficiently and intelligently than ever before. DataMiner offers a wealth of functionality including unlimited remote web access, fault management, email and SMS notification, performance management, professional reporting, advanced automation, intelligent correlation and root cause analysis, service management, real-time SLA monitoring, user-definable KPI dashboards, spectrum monitoring, mobile access for any smart phone or tablet, and much more.

Help Points

Help Points offer commuters or other users the ability to contact the Network Operations Centre and talk with an operator or listen to automated information messages. The Help Point systems are totally configurable. Featuring VoIP integration to the PBX, CNMS and DVA, IP 65 water resistance, Power over Ethernet and a noise cancelling microphone; Help Points offer all the latest technology to communicate more effectively. Help Point systems also include Induction Loops for hearing assistance and the ability to customise housings.

IP PBX

IP PBX integration is included in these systems for paging, information and help point communication. This technology takes advantage of the benefits of allowing audio and control to travel over the same IP network.



digital PA



Digital Voice Announcement

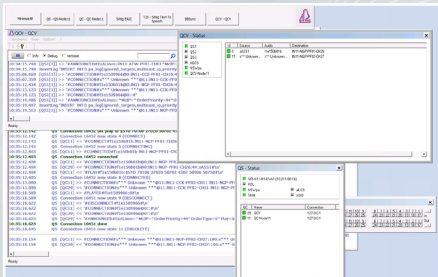
Automatic Digital Voice announcements are perfect for the transport industry. Incorporating a web-based GUI that is easy to operate, multiple languages and text to speech announcements, DVA offers the very best in public address technology. Messages are clear and understood, every time.

DVA systems are the perfect fit for large scale transportation hubs where clear, timely and correct announcements to passengers are key. Spaces including airports, railway stations and bus terminals can use DVA to its full capacity.

Features

- A simple to operate web based GUI
- Multiple languages
- Natural speech engine
- Text to speech announcements
- Scheduler and timetable
- Full API and GTFS/GTFS-R support
- Rolling stock certified
- 128 zones per server

PRODUCTS INCLUDE:



DVA Core and Web Interface

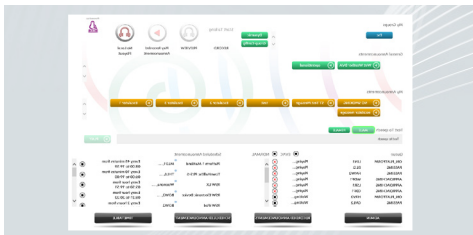
The DVA Core is Dante enabled and offers 128 channels per server. For increased reliability, the system has built-in redundancy and runs on a standard Windows Server platform. For control of automated announcements, the system integrates API for GPS and tracking.

The DVA Web Interface features a natural speech engine, a text to speech engine and multi-language support. The system completely integrates with the audio engine and CNMS and has simple upgrade procedures with no need to update the client's PCs.



Redundancy Module

Redundancy is integrated into the system to further increase reliability and quality. This ensures that an announcement is never missed.



Text to Speech Module (multiple languages available)

This module can recognise text in many different languages and convert to a clear speech announcement. The system is customisable and easy to use.

digital PA



Audio Archiving

The ultimate in functionality and features the Audio Archiving system allows users to record all announcements (or any other audio) and archive them for later use. Systems can record from one, up to thousands of channels of audio all searchable via a single web page.

Features

- Record 128 channels per node and archive audio from thousands of microphones or zones
- Search via date, time, location and more
- All audio is encrypted - must have credentials to listen
- Stream audio over the network
- Enterprise LDAP/Active Directory Integration

PRODUCTS INCLUDE:



Speech to Text module (multiple languages available)

This module can recognise speech in many different languages and convert to a text document for archiving and search functions. The system is customisable and easy to use.

digital PA



Hearing Assistance

Induction Loop and TCoil

Offering the ability to incorporate TCoil and induction loops into PA systems to broadcast announcements for the hearing impaired. These functions seamlessly integrate into the digital PA system, the CNMS and Audio Matrix. The Digi-Loop's network-control capability provides seamless, remote system set-up, operation and monitoring via laptop or tablet. DSP audio processing offers flexible, powerful software control of mixing, equalization, compression and more. Powerful Class D, pulse-width amplifiers maximize efficiency.

Features

- **Industry standard TCoil induction loops fully integrated to the digital PA system**
- **Seamless integration into the CNMS and Audio Matrix**

PRODUCTS INCLUDE:



Williams Sound PLAD series of Induction Loop Amplifiers

These high-quality induction loop systems readily transmit the spoken word directly and clearly to a listener's hearing aid equipped with a T-coil.

digital PA



Help Points

Help Points offer commuters or other users the ability to contact the Network Operations Centre and talk with an operator or listen to automated information messages. These points can offer vital information so quality audio and performance reliability are a top priority.

The Help Point systems are totally configurable, for example buttons could be configured to play announcements in different languages etc. They are suitable for public locations where help points or information points are required, including transportation hubs, railway signal points, road assistance points and many more locations.

Features

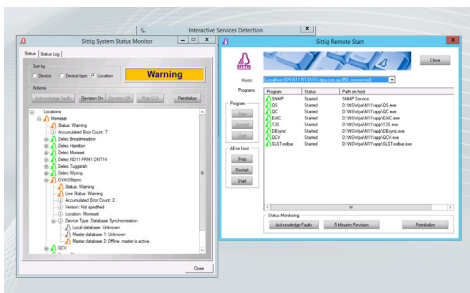
- VoIP integration to the PBX, CNMS and DVA
- 1 to 8 button operation (one for help and one for information)
- IP 65 water resistant
- PoE Powered
- Includes Induction Loop for hearing assistance
- Customised housings available
- Noise cancelling microphone

PRODUCTS INCLUDE:



IP PBX

IP PBX integration is included in these systems for paging, information and help point communication. This technology takes advantage of the benefits of allowing audio and control to travel over the same IP network.



DVA

Automatic Digital Voice announcement systems are perfect for the transport industry. Incorporating a web-based GUI that is easy to operate, multiple languages and text to speech announcements, DVA offers the very best in public address technology. These systems also incorporate full API and GTFS/GTFS-R support, are rolling stock certified and offer 128 zones per server.

dataminer
by skyline communications

CNMS

A CNMS featuring DataMiner offers a complete professional environment to manage more efficiently and intelligently than ever before. DataMiner offers a wealth of functionality including unlimited remote web access, fault management, email and SMS notification, performance management, professional reporting, advanced automation, intelligent correlation and root cause analysis, service management, real-time SLA monitoring and user-definable KPI dashboards.

digital PA

Acoustic Services

Our company offers the very best in Acoustic Services with a vast array of expertise and industry knowledge. Services include; manufacturing, system design, system integration and support services, just to name a few. Our highly-trained staff can assist your business to perform at its best.

Our employees are passionate innovators and our aim is to continuously be at the forefront of showcasing what can be achieved with technology. Key sectors include, stage and theatre, broadcast, enterprise networking, public address, passenger information for transportation and communication systems.

PRODUCTS INCLUDE:



Audio Systems Engineering

We specialise in the integration of a diverse range of audio and technology products on a large scale. This results in customised audio systems that are high quality, reliable and meet the exacting standard of our clients.



System Design, Commissioning and Support

Our clients are offered the benefit of a long-term relationship with our company. We are involved in projects from conception through to implementation and on to support. 24/7 support agreements are available.



Custom Cable Manufacturing

For the specific cabling requirements of our clients, we offer customised cable manufacturing. We can offer this service for small runs right through to large scale projects.



Systems Integration

Our staff are constantly designing systems that integrate cutting edge technologies, to make them work together. We aim to meet our client's needs by finding new ways to make different elements of technology work together. Thus providing the best audio systems available.



Audit, Reporting and Design

We have expert engineers on staff to assist with auditing, reporting and design in the following areas:

- Public Address
- Speech Intelligibility Index (STI)
- Audio Frequency Induction Loop (AFILS)
- 3D Modelling for EASE Calculations
- WiFi and Networking