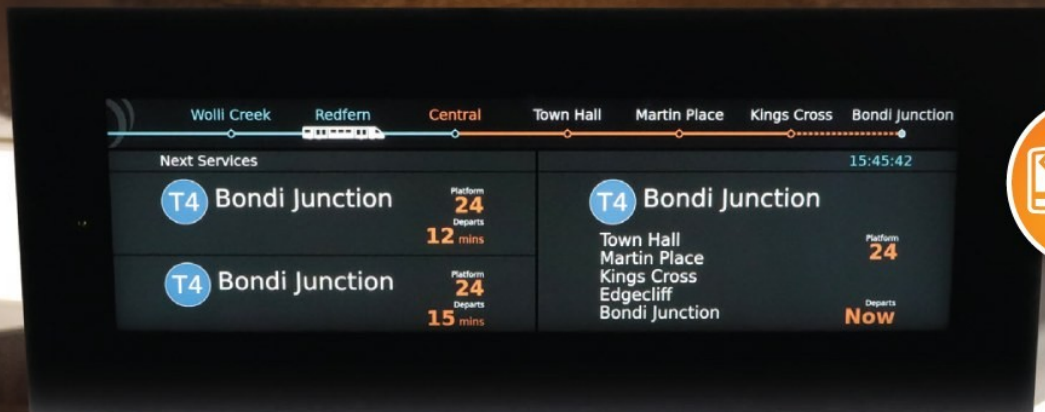




Visual Displays



Smart p1

ECOsystème



Audio PA Systems



Help Information Points



Ambient Noise Control



Hearing Loops

Onboard Audio & AFILs



Providing high quality hardware and software technology solutions for public address



Digital Voice Announcement System

The Smart pi DVA (Digital Voice Announcement) is our automatic announcement system and is perfect for the transport industry.

Incorporating a web-based GUI with mobile support that is easy to operate, with multi-language support, text to speech engine and more.

Messages are clear and understood every time. With a built-in scheduler and GTFS/GTFS-R support, automated announcements have never been easier to integrate.

The Smart pi DVA is the perfect fit for large scale transportation hubs where clear, timely and correct announcements to passengers are key.

Features

- Exceptional Audio Quality and Speech Intelligibility
- A simple to operate web based GUI with built in mobile support
- Multi Language support with either audio library or Text to Speech
- A Natural Speech Engine to ensure your announcements sound human
- Full Scheduler and Timetable allowing either scheduled or set interval messaging
- LDAP / Active Directory Security Control
- Full API and GTFS/GTFS-R support, with automatic GTFS announcements via Smart pi DVA GTFS
- Rolling stock option: runs on a COTS EN 50155 server for on-board use
- Standards Based API using AES70/OCA for control and integration

Display Screen Views

Smart pi DVA

Administrator | 2020-08-12 10:18:24 AM | LOG OFF

Timetable Overview

Timetable	Imported	Start	End	Mo	Tu	We	Th	Fr	Sa	Su	Time
GTFB	2020-08-12 10:18:24	2020-08-12	2020-08-18	✓	✓	✓	✓	✓			1:00
GTFB	2020-08-12 10:18:24	2020-08-15	2020-08-16						✓	✓	4:00
GTFB	2020-08-12 10:18:24	2020-08-17	2020-08-21	✓	✓	✓	✓	✓			9:00
GTFB	2020-08-12 10:18:24	2020-08-22	2020-08-23						✓	✓	16:00
GTFB	2020-08-12 10:18:24	2020-08-24	2020-08-25	✓	✓	✓	✓	✓			19:00
GTFB	2020-08-12 10:18:24	2020-08-26	2020-08-29	✓	✓	✓	✓	✓	✓	✓	19:00
4Track Real Time	2018-10-24 10:12:06	2018-10-23	2018-10-29		✓						1
4Track Real Time	2018-10-24 10:12:06	2018-10-24	2018-10-26			✓					33
4Track Static	2018-10-24 02:06:48	2018-10-24	2018-10-26			✓					79
4Track Static	2018-10-24 02:06:48	2018-10-25	2018-10-29				✓				166
4Track Static	2018-10-24 02:06:48	2018-10-26	2018-10-29					✓			366
4Track Static	2018-10-24 02:06:48	2018-10-27	2018-10-29						✓		300
4Track Static	2018-10-24 02:06:48	2018-10-28	2018-10-29							✓	97
4Track Static	2018-10-24 02:06:48	2018-10-29	2018-10-29	✓							363
4Track Static	2018-10-24 02:06:48	2018-10-30	2018-10-29		✓						366
4Track Static	2018-10-24 02:06:48	2018-10-31	2018-10-29			✓					366
4Track Static	2018-10-24 02:06:48	2018-11-01	2018-10-29				✓				366

HOME | BACK TO TIMETABLE

Smart pi FSM

ADMINISTRATOR | LOGOUT

SETTINGS

IP CONFIGURATION | LDAP | **MODE**

Monitoring Mode

☒ EN54 ☐ Multi - Zoned

Smart pi LOG

Markdowns | LOGOUT

NODE

1

DAYS

MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY | WEEKDAY | WEEKEND | ALL

RANGE

Start Time: 00 / 00 | Start Date: 05 / 12 / 2017

End Time: 23 / 59 | End Date: 05 / 12 / 2020

DESCRIPTION

SEARCH

Channel	Sound	Start Time	End Time	Download
Channel 1	"SOUND"	2018-10-25 13:54:43	1970-01-01 00:00:00	DOWNLOAD
Channel 2	"SOUND"	2018-10-25 13:54:43	1970-01-01 00:00:00	DOWNLOAD
Channel 3	"SOUND"	2018-10-25 13:54:43	1970-01-01 00:00:00	DOWNLOAD

Page: Previous | 1 | 2 | 3 | 4 | 5 | Next | Last

Last Recorded

Channel	Sound	Time	Download
Channel 1	"SOUND"	2018-10-26 12:24:49	DOWNLOAD
Channel 2	"SOUND"	2018-10-26 12:24:49	DOWNLOAD
Channel 3	"SOUND"	2018-10-26 12:24:49	DOWNLOAD
Channel 4	"SOUND"	2018-10-26 12:24:49	DOWNLOAD

ADMIN | STATUS | LOGS

Master DVA

- Centralised User interface for 1000+ Zones
- Connect Multiple Nodes to single Master DVA
- Active Directory / LDAP Single Sign-On
- Manage Multiple Agencies / Transport Modes
- Runs on Linux / Windows
- Fully redundant 1+1 Master with seamless failover
- One web UI sends to any zone on all Nodes



Node DVA

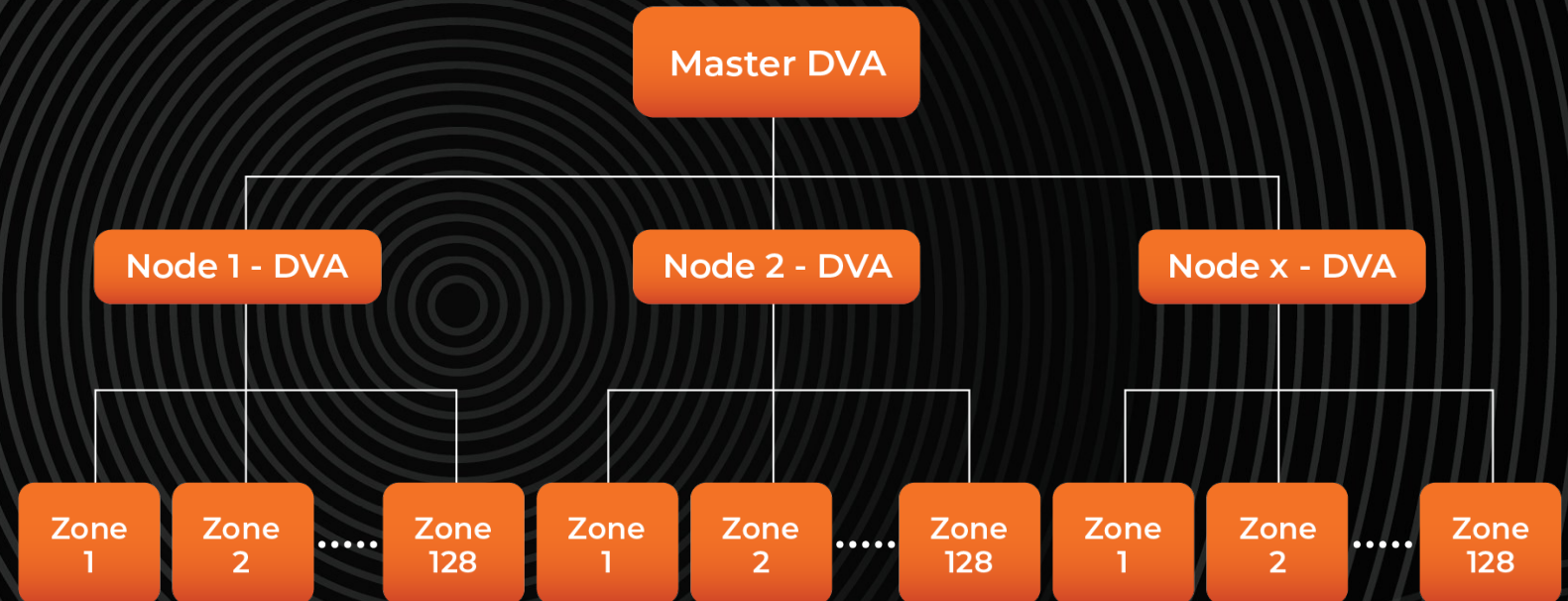
- 2-512 Audio Channels / Zones per node
- Self hosted User Interface for smaller systems
- Runs on Linux / Windows
- Up to 20 nodes in a single system
- Nodes add capacity, with a fully redundant option per Node



Audio Features

- Supports all standard audio formats
- Text to Speech with Murf.ai or Amazon Polly
- Supports Virtualised environments with up to 512 zones per server
- Supports Bare Metal environments with up to 512 zones per server
- 100 Audio Priorities
- AES70/OCA integration to the Smart pi ECOsystem
- Optional Smart pi DVA GTFS module for automatic GTFS/GTFS-R announcements

System Topology





Dante & Integration

Dante

- DDM (Dante Domain Manager) ready
- Enhanced Dante Wide Area support
- Dante Virtual Soundcard for virtualised servers, up to 128 channels
- Dante PCIe sound card for bare metal, up to 512 channels

Messaging & Integration

- Central scheduled announcements for all Nodes
- Record or upload messages from an external source or via the browser, even on mobile
- REST and AES70/OCA API
- Real-time announcements via Smart pi DVA GTFS
- SIRI or custom protocols via Smart pi RTA