Using Dante at Space 2016 Opening Fiesta

Keeping Dante simple & knowing when not to

Presented by
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XTA Electronics and MC2 Audio

In conjunction with Funktion One and DMT hire

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Brief history

XTA & MC2 were the second company Tibob to Manufacture a dante enable product

Aim of this presentation

Demonstate how easy Dante is to us.

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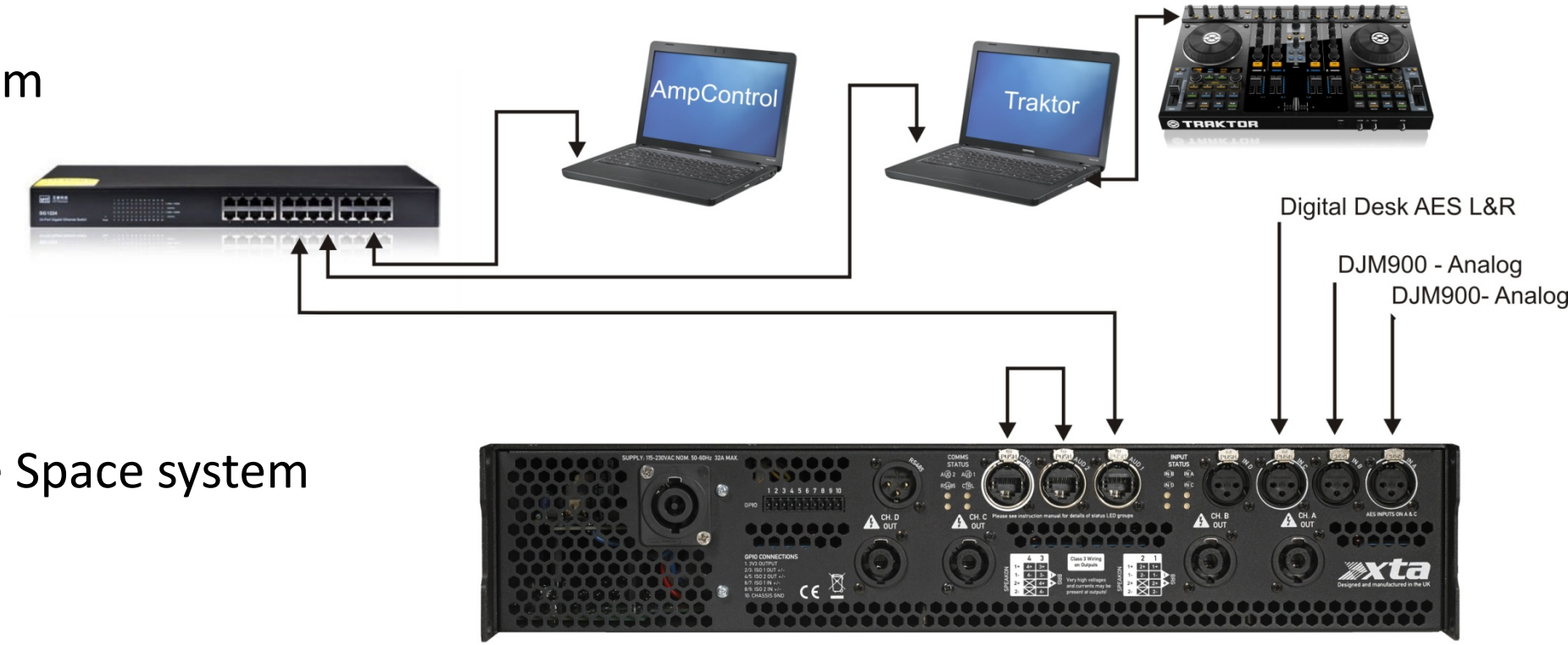
The Building blocks:

Typical demo system



Scales easily to the Space system

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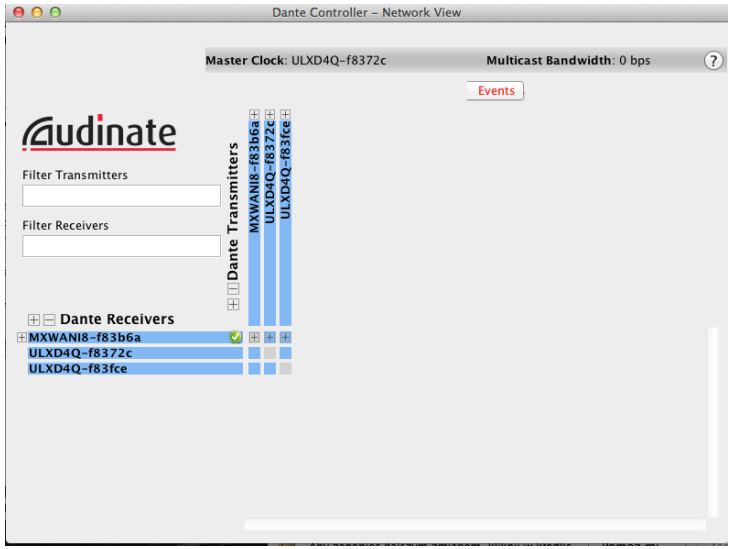
Routing :

APA has 4 inputs from the Dante Network
& 4 outputs to the Dante Network.

XTA Ampcontrol configures routing within amplifier – ie to / from the RJ45.

Dante Controller controls the routing from Device to device.



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The System

FUNKTION-ONE

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System Requirement

Club Capacity 8K - increased capacity to 12K
The Dante / APA system must provide networking and routing for
4 way main system and 4 way delay system.
Analog Outputs for
LR Sum to drive Funktion One V132 Sub bass
L & R Radio feed
L & R Web feed
L & R Video
Need to use readily available Ethernet switches.
Wireless access to remotely control the network of amplifiers
Easily manageable network latency.
Overall system EQ

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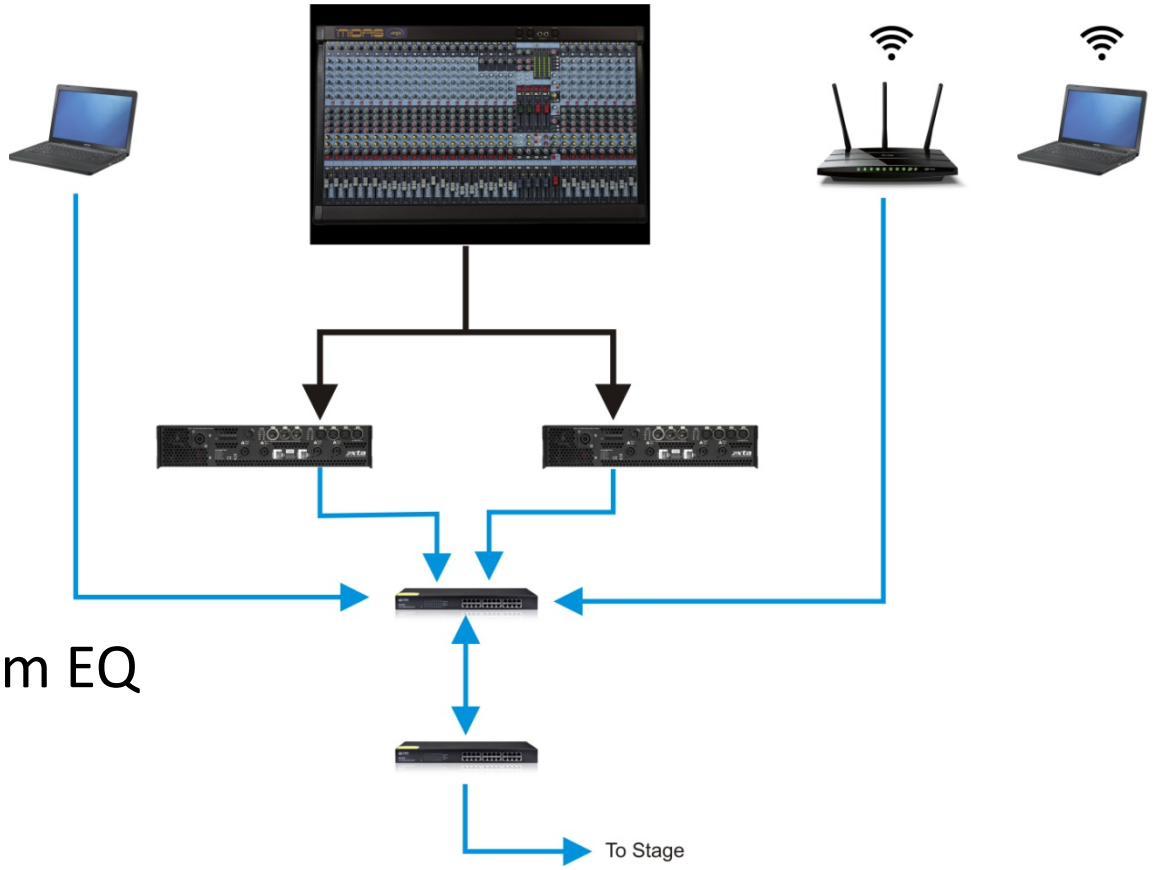
FOH system

Analog Multicore from to Analog Console

Master L & R `A' – feeds main system

Mast L & R `B' – feeds Web / Radio / Video

APA Input processing provides overall System EQ
&
L&R main, Main Sub, Delay Sub



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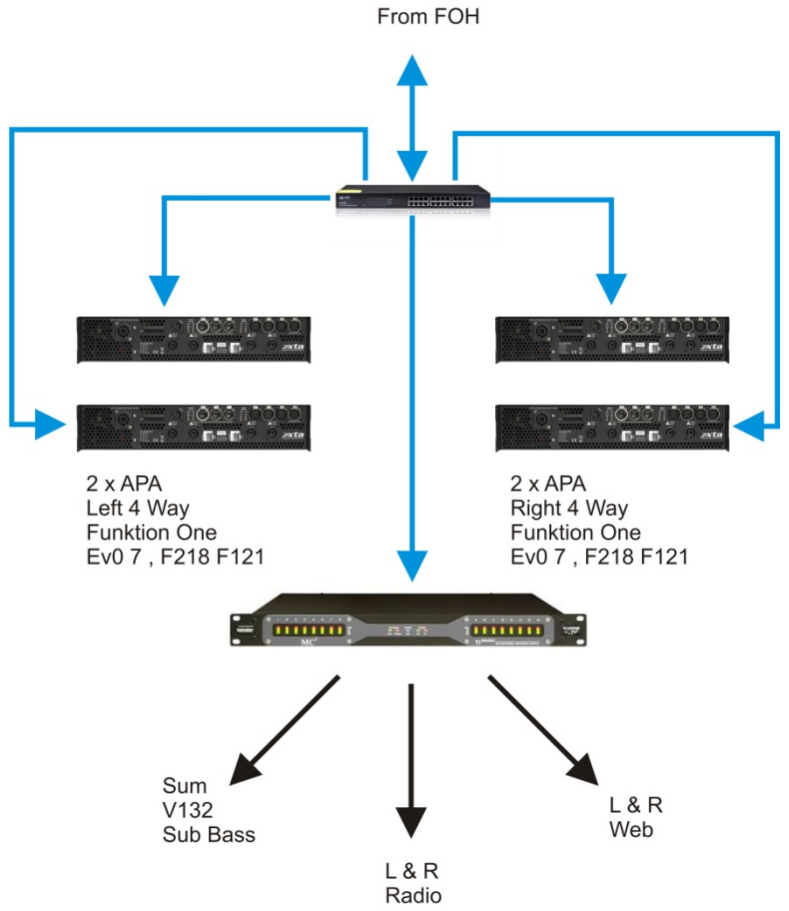
Routing for main 4 way system powered by
XTA 4 x APA -4E

MC2 TiBob provided Analog Outputs
For V132 sub Bass , Radio , Web and Video

IGMP Snooping

Diffserv /Qos



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Digested Experience with first time users

APA sample rates / PC sample rates – How to change ?

What the do the yellow exclamation triangles mean ?

Playback – Foobar – sample rate converter

Daisy chaining – don't

Networking – routing concepts

Green switches

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Improvements

Build in more Redundancy
When to manage ?
When to VLAN
Trunk Links
Fibre : Switches with GBIC / SFP – Fibre options
Rack mount pro switch with internal psu's
Patching easier – with more integration in DJ desks
Changeovers easier
Device Lock

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Thanks for listening