MusiCALL

Music & Message

MusiCALL
Music & Message

A new take on audio systems

Dateq brings the best of two worlds together with MusiCALL Music & Message. By using the infrastructure and unlimited possibilities in the IT field, we can offer top quality audio with an unprecedented user experience.

The installation of the MusiCALL systems in combination with Dante® audio devices is easy because (existing) standard LAN networks can be used.
Dante is used by more AV manufacturers than any other network technology. All Dante products are compatible, so that devices from multiple manufacturers can be combined in one network.

MusiCALL systems with Dante® are easily expandable, need an extra speaker? Plug it in where you want! Networks can be expanded and reconfigured at any time with just a few clicks.

If you compare a MusiCALL audio installation with a conventional audio system, it is striking how much fewer building blocks are needed to set up a complete system. Ease of installation is great for the installer. The systems can be programmed by Dateq on request. All components of the system will be labeled with the location so that a lot of time can be saved during installation.

The control panels of the system are unique, which can be integrated in standard switchgear. The size 55x55mm (Jung AS500 series) can be used in
The system can be combined with existing conventional (100V) analog systems.

The MusiCALL software is packed with features:
Easy to use graphical interface
Priority messaging. Scheduled audio files (or manually triggered) to start on time (such as class times at schools or commercials in shops
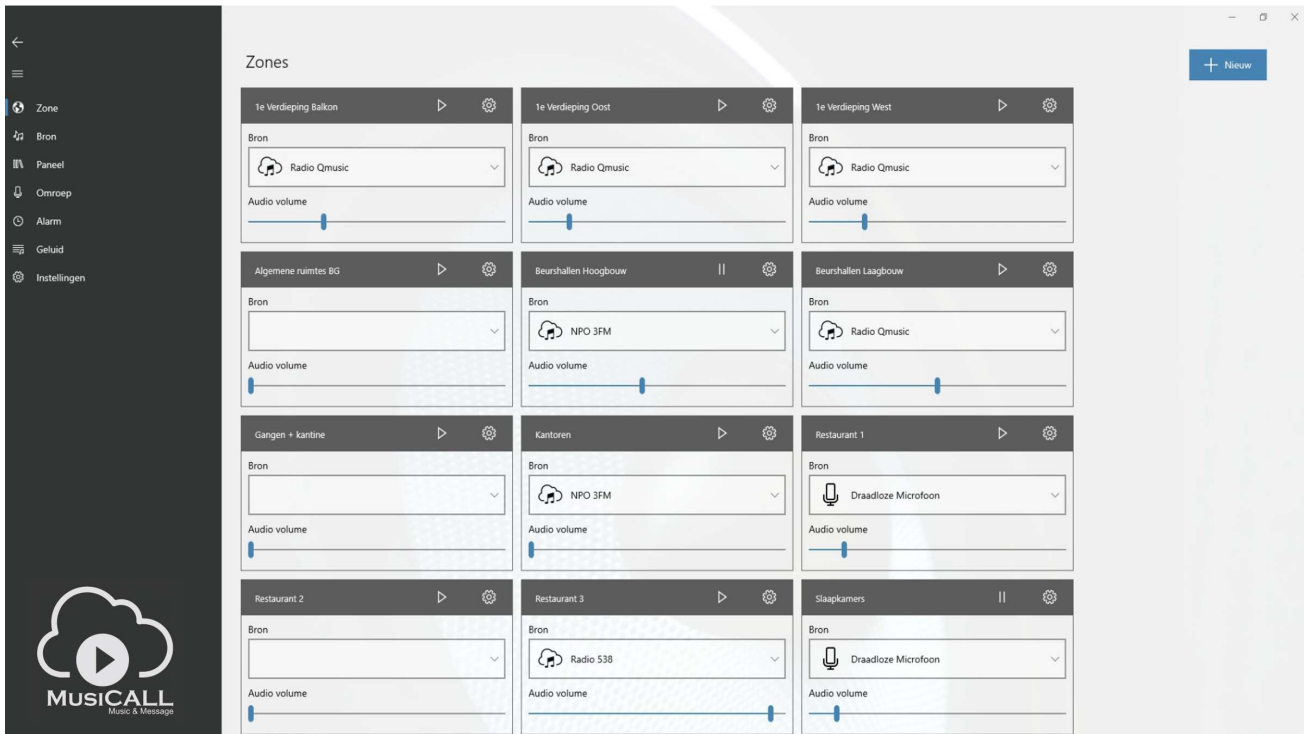**Internetradio.** Standard presets with 15 internet radio stations, expandable.
Playlist player(for example themes in museums)
Priority annoucement. Groups or individual zones.
Auto start and stop of zones to save energy.
1 to 64 separate zones possible per main unit

MusiCALL
Music & Message

®Dante®

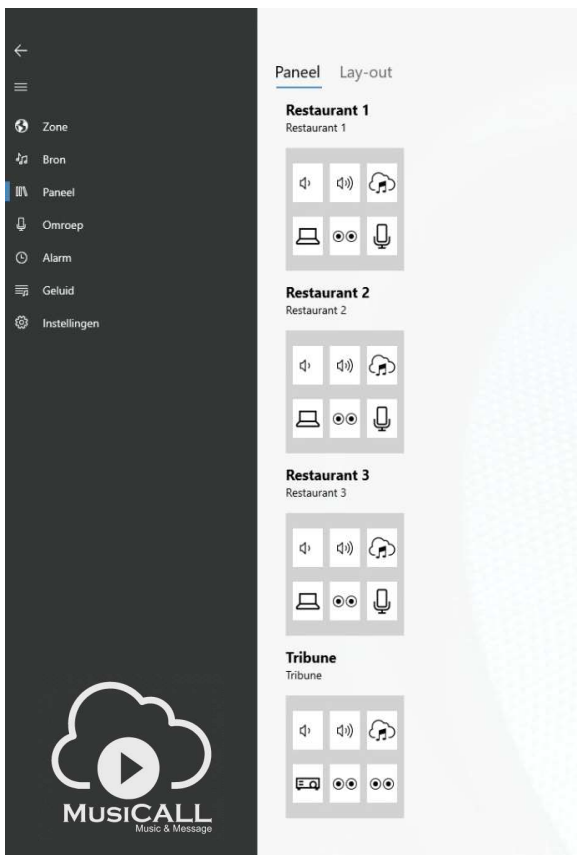The sources and volumes for every zone can be changed in this overview.

Sources can be radio streams, Dante® devices or stored playlists.

This screen can be customised in the software. This makes it possible to show the tabs on the left that are needed only. Volume control can be turned off if desired.
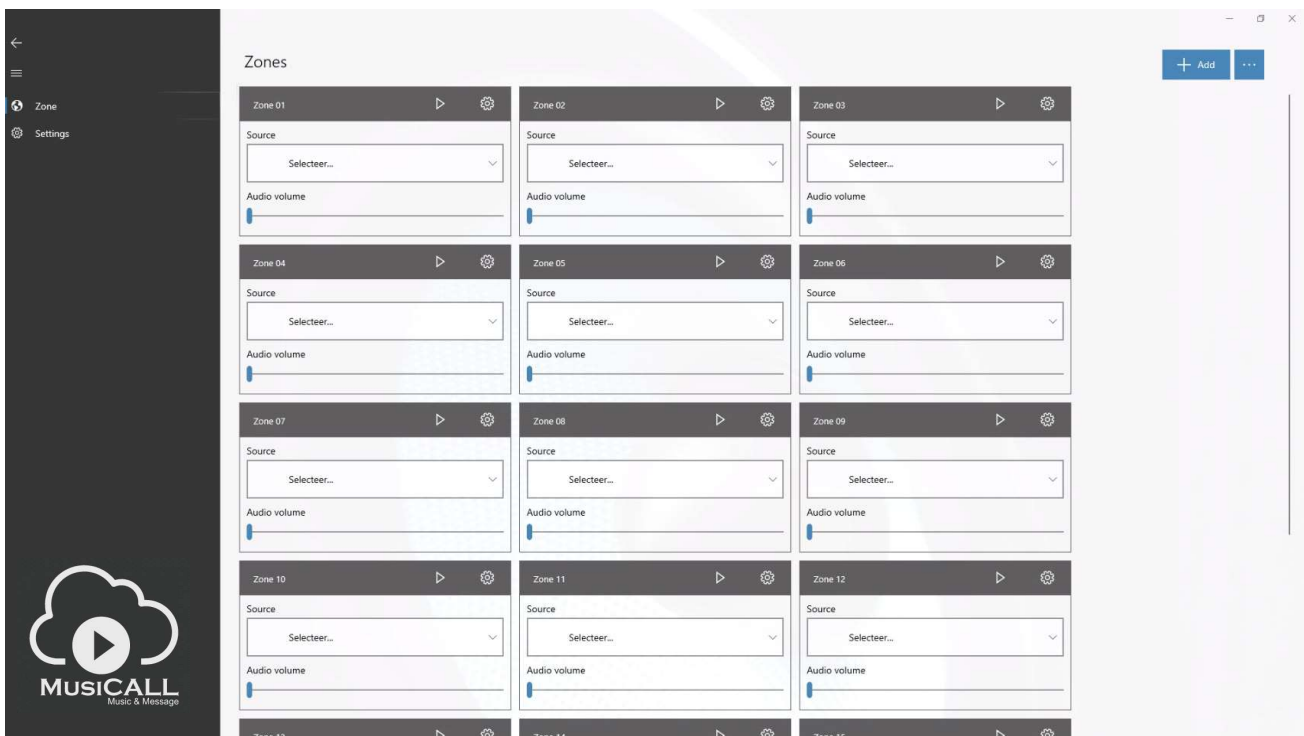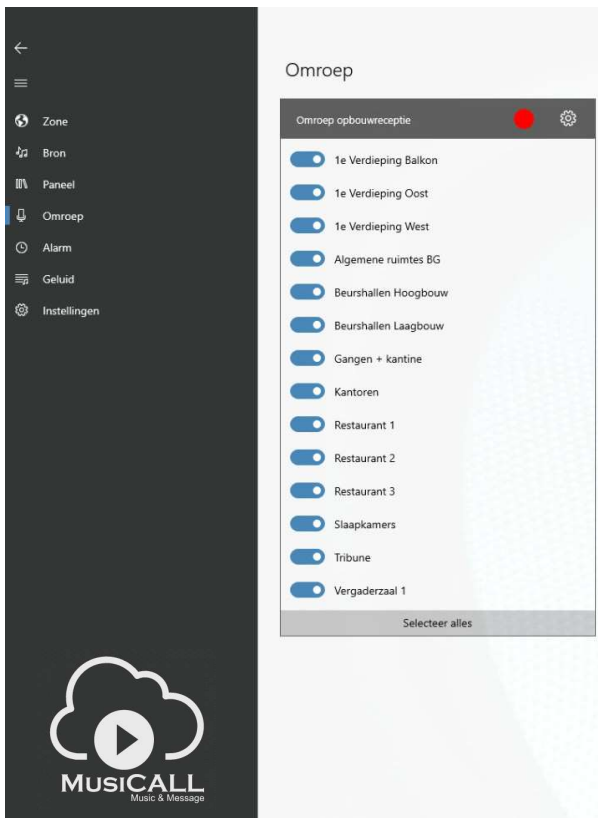

Available in any language.

Software: Panels

Every panel can have its own layout, every button is configurable in the lay-out editor.
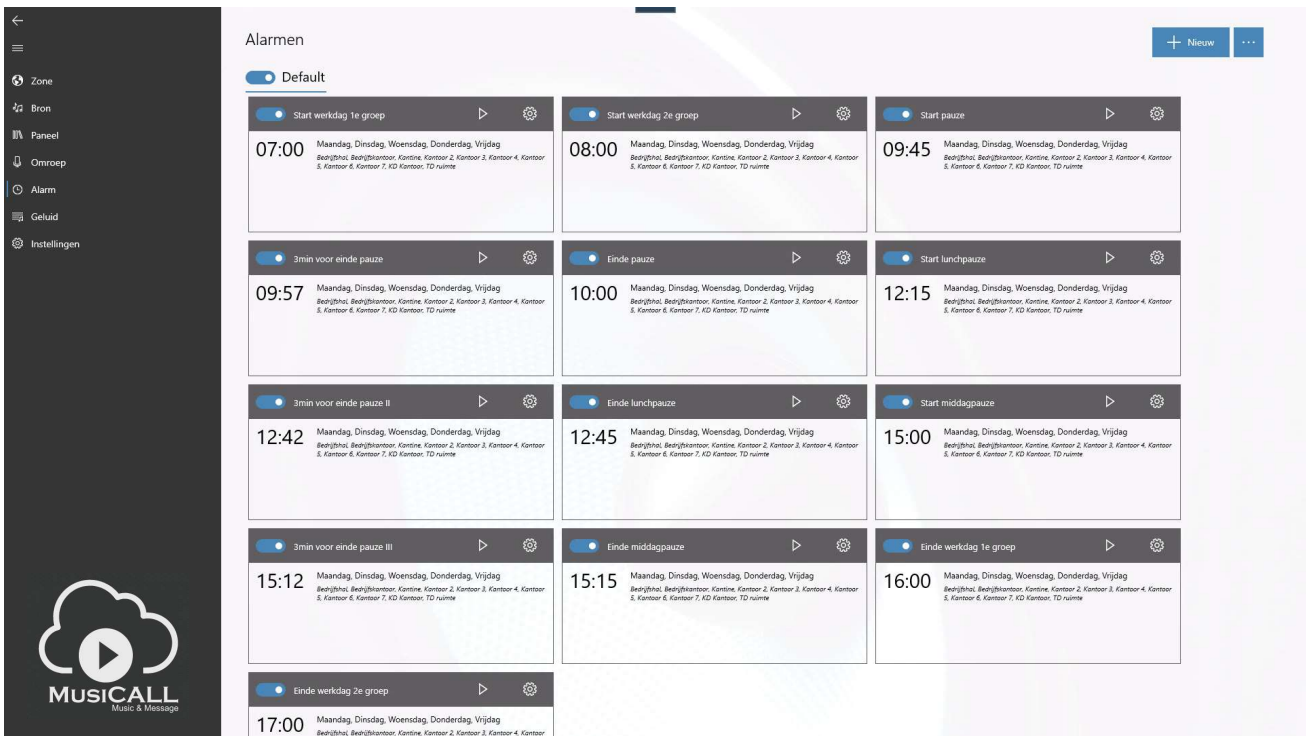
Software: Zone paging

Announcements can be made to all zones or a selection of zones.

Presets can be made.

Priority can be set so the other sources mute during an announcement.

A chime can be added if desired.

Software: Scheduled messaging

Alarms can be played to separate zones or all, triggered manually or by timer.

Time set alarms can also be used in presets; you can then select a group of alarms to be triggered.

Software: Single user mode

The MusiCALL system single user mode can be activated to get a personalised announcement / individual zone screen (in this mode all other settings are locked

Example: School with a (existing) 100V system, 1-8 individual zones
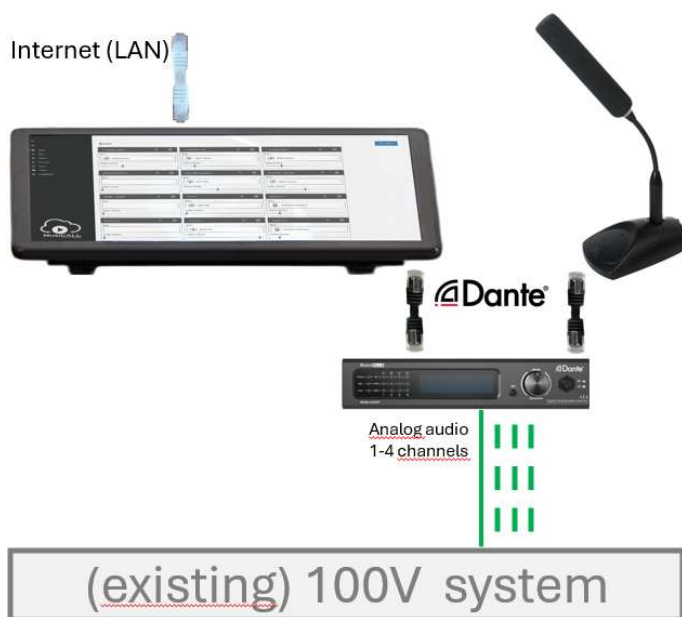
Internet (LAN)

@Dante®

Analog audio
1-4 channels

(existing) 100V system

The system
The MusiCall Music & Message software runs on the MDM-T2 server. MDM-T2 supports 2 independent zone outputs, More zones? Use MDM-T4 or T8. If more then 8 zones are needed add a MDM-Sx server.

Network port 1 is connected to the LAN / internet to receive internetradio, contact our license server, make online support from us possible and keep the time synchronised.
Network port 2 is connected to the MDM-44DT which converts the Dante® audio to (up to) 4 channels analog audio. The analog audio outputs can be connected to the existing audio system. If more outputs are needed MDM-44DT can be linked to another MDM44DT or use MDM-D8 (8 zones in 1 unit) or MDM-D16 (16 zones in 1 unit).

The MDM-MIC is connected to the secondary LAN port of the MDM-44DT.
In this example all Dante® audio traffic is kept away from the schools network.

The use
Scheduled (or manually started) audio fragments (like school bell chime) can be played with priority, just like the announcements made from the MDM-MIC. The programmed messages can be stored under a preset. So for instance when the exams are taken the school bell will not be played at that location. That location has to be available as zone. Another example could be some days the school hours are not 50 minutes but 40 minutes each. Select the preset and done.

The system can be programmed to start and stop playing at preset times in certain zones, a example could be the music in the kanteen zone can be programmed to start and stop automatically.

System components overview:

MDM-MIC	Dante® PoE microphone with gain control and on/off button	
MDM-T2	MusiCALL Music & Message main unit / announcement console when combined with a microphone. 2 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.	
MDM-44DT	Dante® IO interface, 4x4 analog IO / 4x4 Dante® IO, mic/line level inputs, application included.	

Example: School, Dante solution, 1-8 individual zones

Internet (LAN)

POE switch

Dante® network

The system
The MusiCall Music & Message software runs on the MDM-T2 server. MDM-T2 supports 2 independent zone outputs, More zones? Use MDM-T4 or T8. If more than 8 zones are needed add a MDM-Sx server.

Network port 1 is connected to the LAN / internet to receive internetradio, contact our license server, make online support from us possible and keep the time synchronised.
Network port 2 is connected to a PoE+ switch to send the Dante® audio to the speakers. If analog outputs are needed too use MDM-44DT (4 channels in 1 unit), MDM-D4 (4 DSP channels in 1 unit), MDM-D8 (8 DSP channels 1 unit) or MDM-D16 (16 DSP channels in 1 unit).

The MDM-MIC is connected to the Dante® network switch.
In this example all Dante® audio traffic is kept away from the schools network.

The use
Scheduled (or manually started) audio fragments (like school bell chime) can be played with priority, just like the announcements made from the MDM-MIC. The programmed messages can be stored under a preset. So for instance when the exams are taken the school bell will not be played at that location. That location has to be available as zone. Another example could be some days the school hours are not 50 minutes but 40 minutes each. Select the preset and done.

The system can be programmed to start and stop playing at preset times in certain zones, a example could be the music in the kanteen zone can be programmed to start and stop automatically.

System components overview:

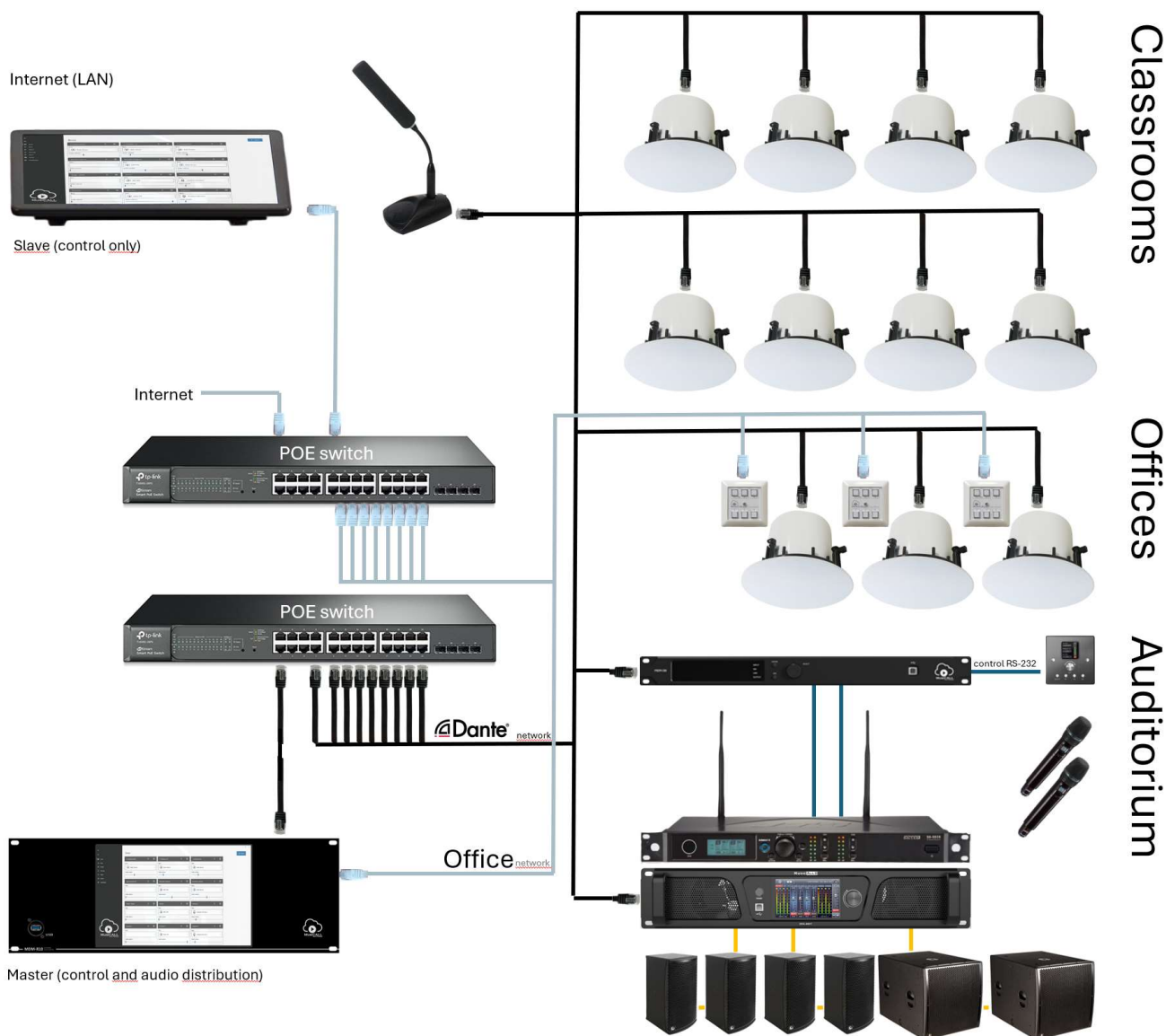|		
MDM-MIC	Dante® PoE microphone with gain control and on/off button	
MDM-T2	MusiCALL Music & Message main unit / announcement console when combined with a microphone. 2 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.	
MDM-SP6	PoE powered Dante® ceiling speaker 30W, 45Hz-20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory)	
GENERIC	PoE+ switch with 30W port power needed for use with speakers	

Example: School, Dante solution, 1-64 individual zones

Classrooms

Offices

Auditorium

Internet (LAN)

Slave (control only)

Internet

POE switch

POE switch

Dante network

Office network

control RS-232

Master (control and audio distribution)

The MusiCall Music & Message software runs on the MDM-S16 server. MDM-S16 supports 16 independent zone outputs, For more zones use MDM-S32 or MDM-S64. MDM-TS is used as announcement console. If needed more MDM-TS units can be used.

Network port 1 of MDM-S16 is connected to the LAN / internet to receive internetradio, contact our license server, make online support from us possible and keep the time synchronised.
Network port 2 is connected to a PoE+ switch to send the Dante® audio to the speakers. In the Auditorium multiple local sources can be selected and mixed using the local controller, announcements get priority over the local audio if desired.

The MDM-MIC is connected to the Dante® network switch.
In this example all Dante® audio traffic is kept away from the schools network.

The use
Scheduled (or manually started) audio fragments (like school bell chime) can be played with priority, just like the announcements made from the MDM-MIC. The programmed messages can be stored under a preset. So for instance when the exams are taken the school bell will not be played at that location. That location has to be available as zone. Another example could be some days the school hours are not 50 minutes but 40 minutes each. Select the preset and done.

The system can be programmed to start and stop playing at preset times in certain zones, a example could be the music in the auditorium or offices can be programmed to start and stop automatically.
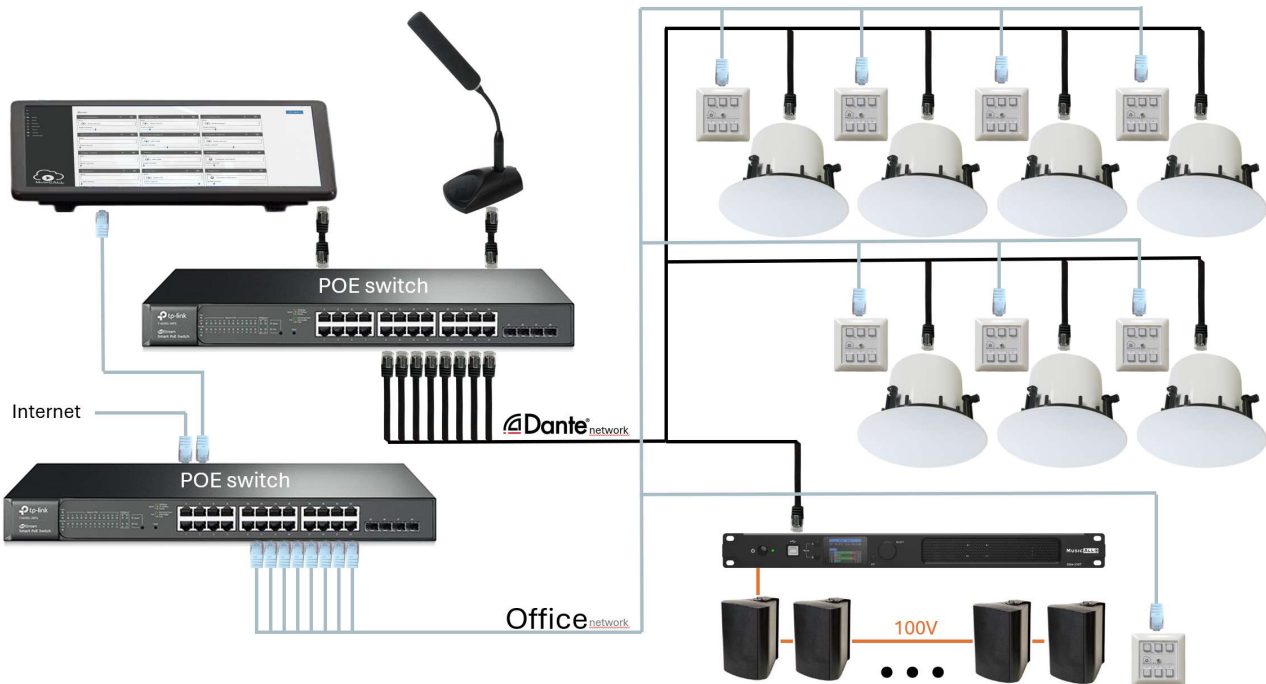
Example: School, Dante solution, 1-64 individual zones

System components overview:

MDM-MIC Dante® PoE microphone with gain control and on/off button

MDM-TS MusiCALL Music & Message slave unit to control another server in the network. With 10 inch touchscreen. Three years online support included.

MDM-S16 MusiCALL Music & Message Windows IoT server 16 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-CON6 MusiCALL IP zone controller PoE powered, 6 configurabele buttons

MDM-SP6 PoE powered Dante® ceiling speaker 30W, 45Hz-20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory)

MDM-D8 Audio Matrix 8x8 DSP interface, 8x8 analog IO / 16x16 Dante® IO, RS485, USB, Priority, Automix, app control

MDM-P1 Control panel for MDM-D4/D8/D16 RS232 connection, 9-18V DC

DA-902R/6 900 Series true diversity UHF PLL 19" double receiver 614-650MHz, Remoset Ultrasonic

DA-900H/6 900 Series true diversity UHF PLL handheld 614-650MHz, Remoset Ultrasonic

DDA-48DT Network DSP Power Amplifier 4x800W@8Ω / 4x1600W 4Ω / 2x 3200W @8Ω in bridge mode. 2x1250W@100V in bridge mode. 4x1225W@70V. With 4 Dante® input channels, MusicAllDSP software

LUA10i 2-Way Install Loudspeaker 10", 8Ω, 400W RMS

BASSO18 18-inch bass reflex subwoofer, 8Ω, 1.2 kW RMS

GENERIC PoE+ switch with 30W port power needed for use with speakers

MusiCALL
Music & Message

Dante®

Example: Factory with offices, Dante® solution

POE switch

Internet

POE switch

Dante® network

Office network

100V

The system
The MusiCall Music & Message software runs on the MDM-T8 server. MDM-T8 supports 8 independent zone outputs, More zones can be added optionally.

Network port 1 is connected to the Office network LAN / internet to receive internetradio, contact our license server, make online support from us possible, keep the time synchronised and connect to the control panels MDM-CON6.
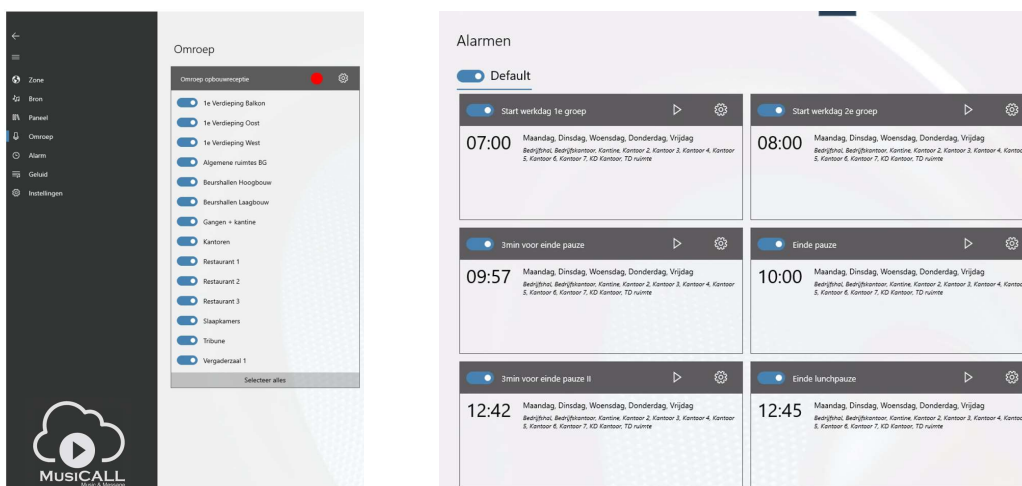
Network port 2 is connected to a switch in a (Dante® network) which sends the Dante® audio to the speakers in the offices and the amplifier in the hall.

In this example all Dante® audio traffic is kept away from the factory network.

The use
In the offices and in the hall the user can use MDM-CON6 wall panel to choose from 4 different internetradio stations or playlists, press play/pause, and set the volume of the music. Scheduled (or manually started) audio fragments (like working times) can be played with priority over the music, just like the announcements made from the MDM-MIC. The system can be programmed to start and stop playing at preset times.

From the MDM-T8 touchscreen announcements can be made and pre recorded messages can be started:

Omroep

Zone	Omroep opbouwreceptie
Bron	1e Verdieping Balkon
Paneel	1e Verdieping Oost
Omroep	1e Verdieping West
Alarm	Algemene ruimtes BG
Geluid	Beurshallen Hoogbouw
Instellingen	Beurshallen Laagbouw
	Gangen + kantine
	Kantoren
	Restaurant 1
	Restaurant 2
	Restaurant 3
	Slaapkamers
	Tribune
	Vergaderzaal 1

Selecteer alles

MusiCALL Music & Message

Alarmen

Default

Start werkdag 1e groep
07:00 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

Start werkdag 2e groep
08:00 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

3min voor einde pauze
09:57 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

Einde pauze
10:00 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

3min voor einde pauze II
12:42 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

Einde lunchpauze
12:45 — Maandag, Dinsdag, Woensdag, Donderdag, Vrijdag
Bedrijfshal, Bedrijfskantoor, Kantine, Kantoor 2, Kantoor 3, Kantoor 4, Kantoor 5, Kantoor 6, Kantoor 7, KD Kantoor, TD ruimte

MusiCALL Music & Message

Example: Factory with offices, Dante® solution

System components overview:

MDM-MIC Dante® PoE microphone with gain control and on/off button

MDM-T8 MusiCALL Music & Message main unit / announcement console when combined with a microphone. 8 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-SP6 PoE powered Dante® ceiling speaker 30W, 45Hz-20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory)

MDM-CON6 MusiCALL IP zone controller PoE powered, 6 configurabele buttons

DDA-23DT Network DSP Power Amplifier 2x300W@8Ω / 2x450W 4Ω / 1x 900W @8Ω or 100V in bridge mode. With 2 Dante® input channels, MusicAllDSP software

BS-60BA Two-way speaker (8+1"), (60, 30, 15 & 7,5 W), 100 V & 8 ohm. Black ABS

GENERIC PoE+ switch with 30W port power needed for use with speakers

Example: Factory with offices and conference room, Dante® solution

Offices

Factory Hall

Conference Room

Internet

Dante® network

Office network

POE switch

100V

USB<->
Dante

<-audio-> (USB)

<-video (HDMI)

<-video (USB)

control RS-232

The system

The MusiCall Music & Message software runs on the MDM-T8 server. MDM-T8 supports 8 independent zone outputs, More zones can be added optionally.

Network port 1 is connected to the Office network LAN / internet to receive internetradio, contact our license server, make online support from us possible, keep the time synchronised and connect to the control panels MDM-CON6.

Network port 2 is connected to a switch in a (Dante® network) which sends the Dante® audio to the speakers in the offices and the amplifier in the hall.

In this example all Dante® audio traffic is kept away from the factory network.

The use

In the offices and in the hall the user can use MDM-CON6 wall panel to choose from 4 different internetradio stations or playlists, press play/pause, and set the volume of the music. Scheduled (or manually started) audio fragments (like working times) can be played with priority over the music, just like the announcements made from the MDM-MIC. The system can be programmed to start and stop playing at preset times.

In the conference room the camera automatically moves to the mic that is used, a priority can be set.

From the MDM-T8 touchscreen announcements can be made and pre recorded messages can be started.

Example: Factory with offices and a conference room, Dante® solution
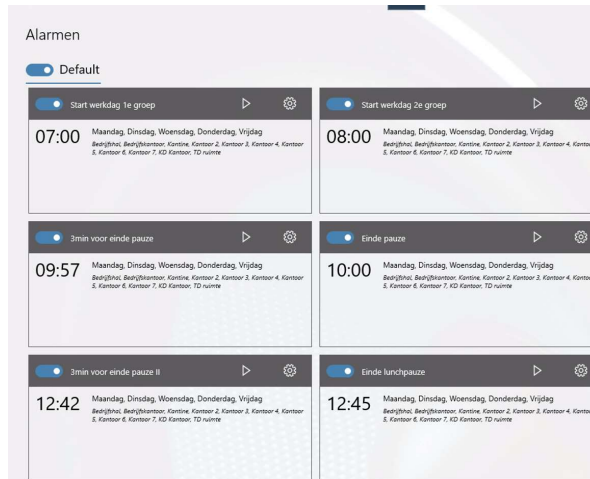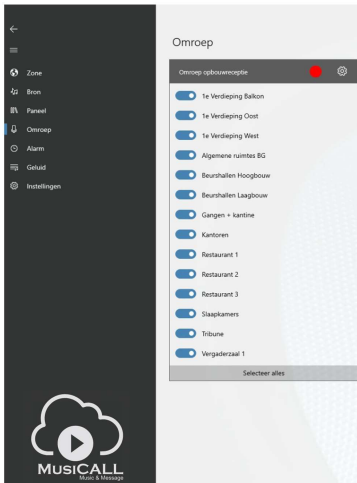
System components overview:

MDM-MIC	Dante® PoE microphone with gain control and on/off button
MDM-T8	MusiCALL Music & Message main unit / announcement console when combined with a microphone. 8 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.
MDM-SP6	PoE powered Dante® ceiling speaker 30W, 45Hz-20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory)
MDM-CON6	MusiCALL IP zone controller PoE powered, 6 configurabele buttons
MDM-D8	Audio Matrix 8x8 DSP interface, 8x8 analog IO / 16x16 Dante® IO, RS485, USB, Priority, Automix, app control
MDM-P1	Control panel for MDM-D4/D8/D16 RS232 connection, 9-18V DC
AVIO-USB	Dante® PoE 2x2 USB adapter
DDA-23DT	Network DSP Power Amplifier 2x300W@8Ω / 2x450W 4Ω / 1x 900W @8Ω or 100V in bridge mode. With 2 Dante® input channels, MusicAllDSP software
BS-60BA	Two-way speaker (8+1"), (60, 30, 15 & 7,5 W), 100 V & 8 ohm. Black ABS
GENERIC	PoE+ switch with 30W port power needed for use with speakers

Example: Fairground / Zoo with EVAC solution
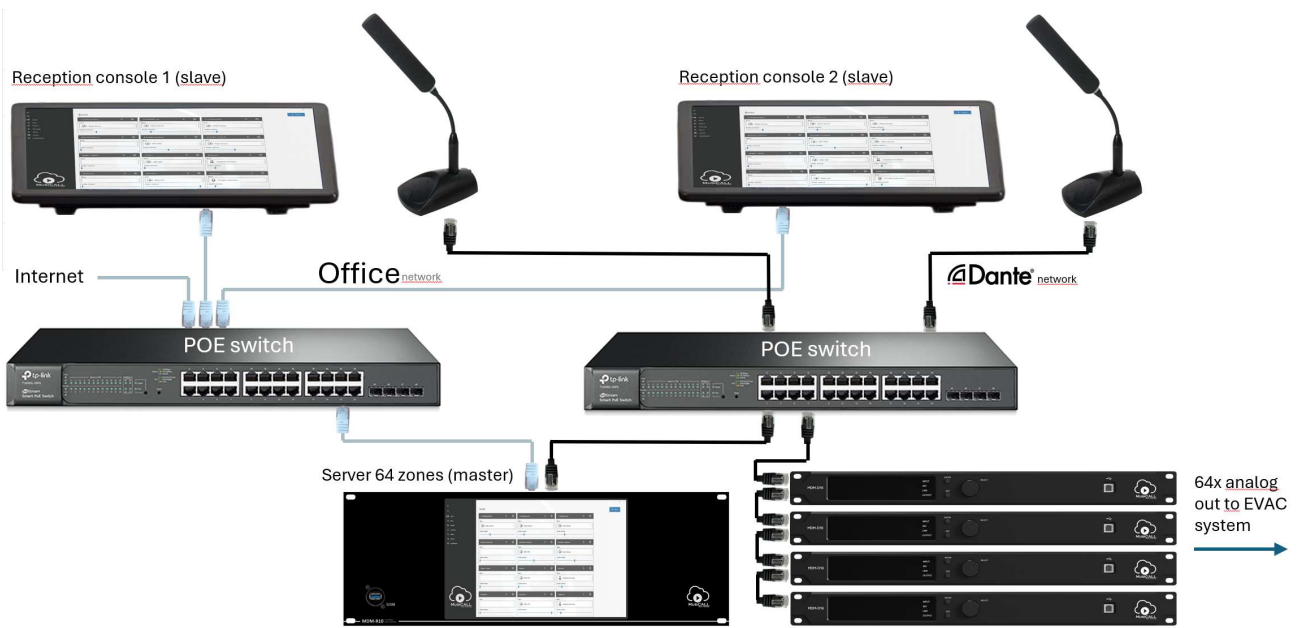
The system
The MusiCall Music & Message software runs on the MDM-S64 server. MDM-S64 supports 64 independent zone outputs, More zones can be added optionally. The MDM-TS consoles work in slave mode and act like a remote controller for the MDM-S64 server.

Network port 1 is connected to the Office network LAN / internet to receive internetradio, contact our license server, make online support from us possible, keep the time synchronised and connect to the control panels MDM-CON6.

Network port 2 is connected to a switch in a (Dante® network) which receives the audio from MDM-MICs and sends the Dante® audio to the MDM-D16 units. The MDM-D16 optimise and then convert the digital audio in analog audio to connect them to the installed EVAC system.

In this example all Dante® audio traffic is kept away from the factory network.

The use
Scheduled (or manually started) audio fragments (like working times) can be played with priority over the music, just like the announcements made from the MDM-MIC. The system can be programmed to start and stop playing radio / playlists at preset times.
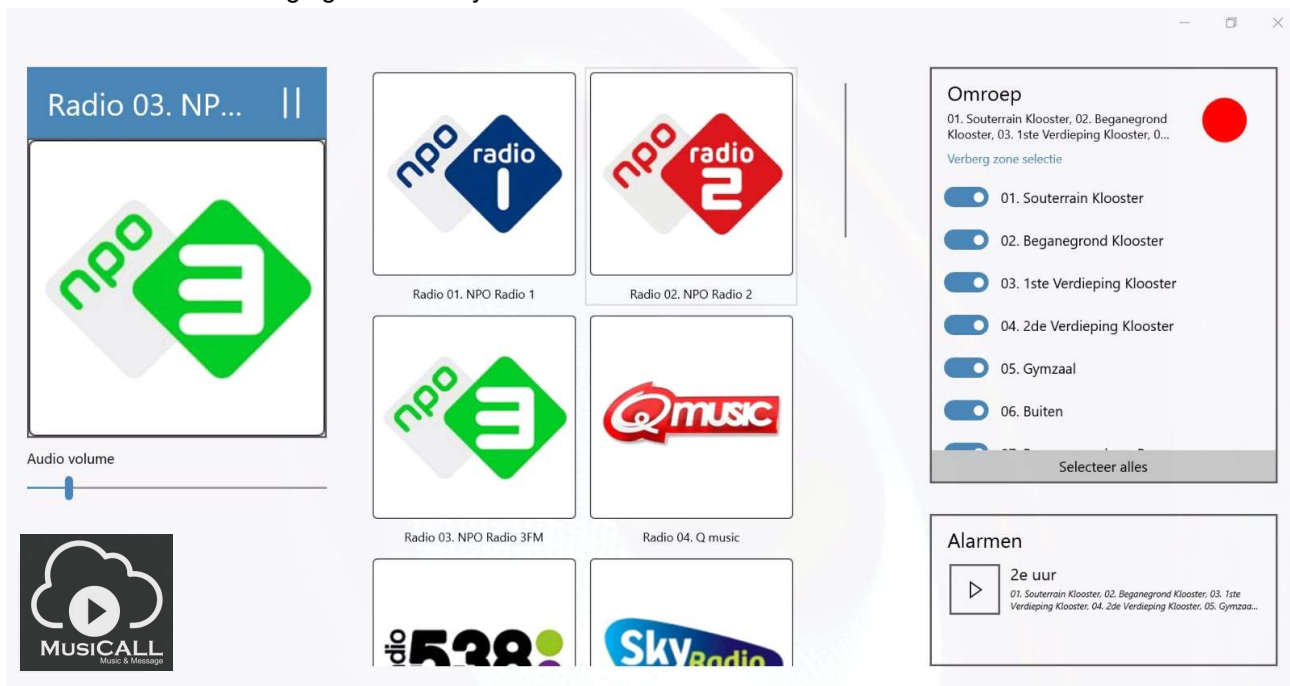
From the MDM-TS touchscreens announcements can be made and pre recorded messages can be started:
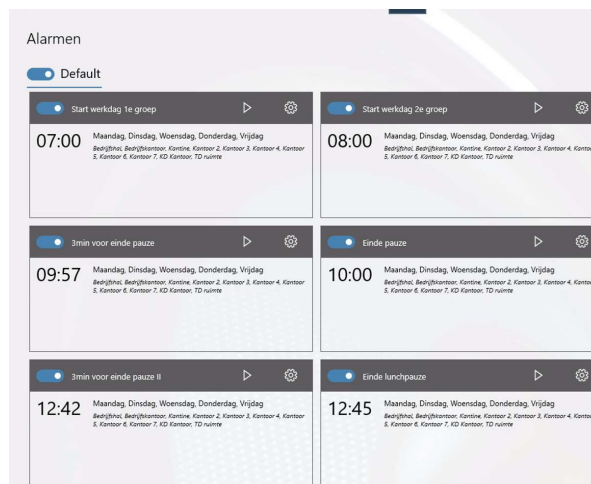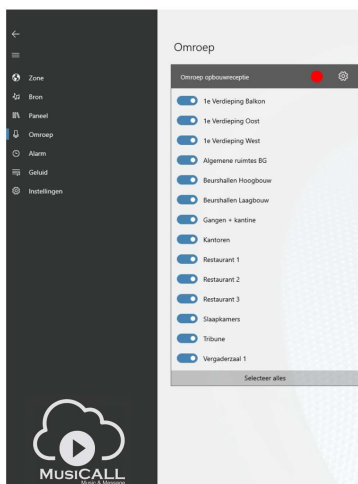
Example: Fairground / Zoo with EVAC solution

Single user mode
If desired the MDM-TS consoles can be set to the single user mode which displays sources for one zone and announcement / messaging functionality:

System components overview:

|		
MDM-MIC	Dante® PoE microphone with gain control and on/off button	
MDM-TS	MusiCALL Music & Message slave unit to control another server in the network. With 10 inch touchscreen. Three years online support included.	
MDM-S64	MusiCALL Music & Message Windows IoT server 64 zones, 16 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.	
MDM-D16	Audio Matrix 16x16 interface, 16x16 analog IO / 16x16 Dante® IO, RS485, USB, Priority, Automix, app control	
GENERIC	PoE+ switch with 30W port power needed for use with speakers	

Hardware: console version

MDM-T2   MusiCALL Music & Message main unit / announcement console when combined with a microphone. 2 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-T4   MusiCALL Music & Message main unit / announcement console when combined with a microphone. 4 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-T8   MusiCALL Music & Message main unit / announcement console when combined with a microphone. 8 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-TS   MusiCALL Music & Message slave unit to control another server in the network. With 10 inch touchscreen. Three years online support included.

Hardware: rack version

MDM-S2 MusiCALL Music & Message Windows IoT server 2 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-S4 MusiCALL Music & Message Windows IoT server 4 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection.Three years online support included.

MDM-S8 MusiCALL Music & Message Windows IoT server 8 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-S16 MusiCALL Music & Message Windows IoT server 16 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-S32 MusiCALL Music & Message Windows IoT server 32 zones, 16 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.

MDM-S64 MusiCALL Music & Message Windows IoT server 64 zones, 16 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.
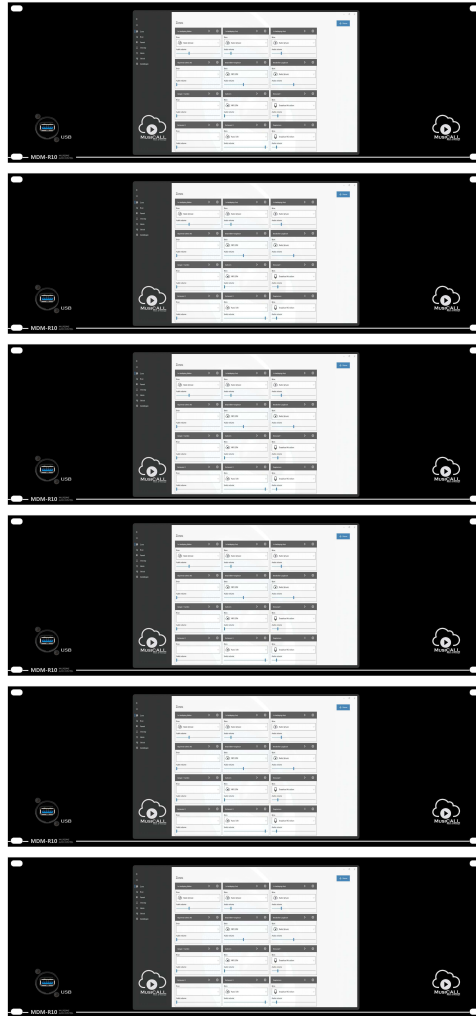
Hardware: accessories

MusiCall music & message audio interfaces

MDM-44DT Dante® IO interface, 4x4 analog IO / 4x4 Dante® IO, mic/line level inputs, application included.

MDM-D4 Audio Matrix 4x4 DSP interface, 4x4 analog IO / 4x4 Dante® IO, RS485, USB, Priority, Automix, app control

MDM-D8 Audio Matrix 8x8 DSP interface, 8x8 analog IO / 16x16 Dante® IO, RS485, USB, Priority, Automix, app control

MDM-D16 Audio Matrix 16x16 interface, 16x16 analog IO / 16x16 Dante® IO, RS485, USB, Priority, Automix, app control

MDM-P1 Control panel for MDM-D4/D8/D16 RS232 connection, 9-18V DC

MusiCall music & message IP zone controller

MDM-CON6 MusiCALL IP zone controller PoE powered, 6 configurabele buttons

MusiCall music & message accessoiries

MDM-MIC Dante® PoE microphone with gain control and on/off button

MDM-SP6 PoE powered Dante® ceiling speaker 30W, 45Hz-20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory)

MDM-44DT   4x4 Dante channels

MDM-44DT is a four-channel Dante network interface box that supports Dante input to analog (balanced) output, analog (balanced) input to Dante output. With 4x line input/microphone inputs (adjustable gain) and equipped with software interface for uniform management and control.

Use MDM-44DT to connect conventional amplifiers and/or sources (with analog connections) to the Dante based MusiCall Music & Message systems.
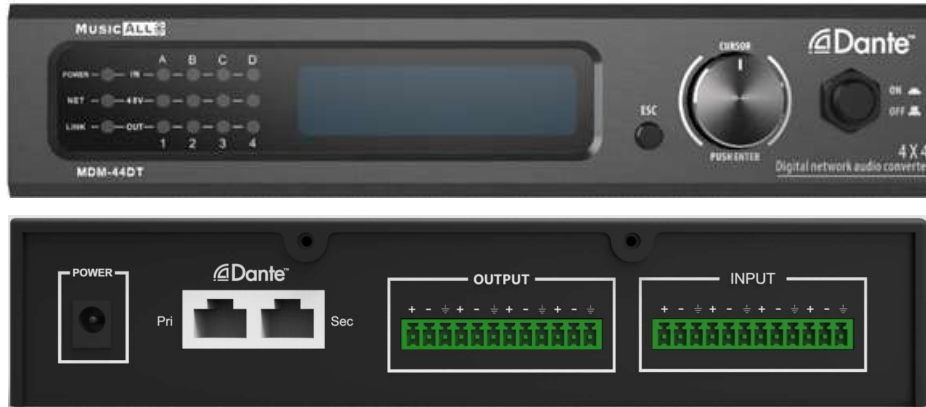
Software

The MusicAllDSP software provides the user a fast tool to control one or more devices through multiple methods: TCP/IP, USB, common serial port (RS232/485). Easily set DSP functions of devices, GPIO control and check central control codes. The configurations can be stored in presets, convenient for various applications.
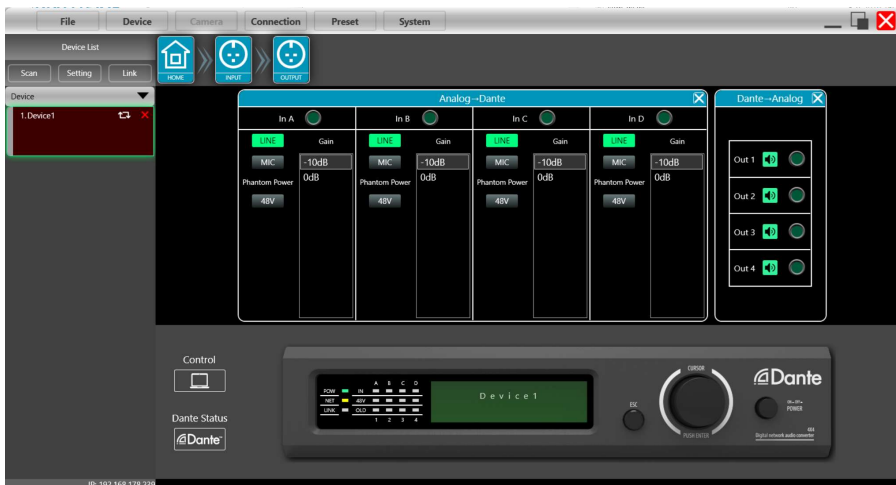
|		
Input channels: 4x balanced input, Mic/Line level	Output channels: 4x balanced output, Line level	SNR: 93dB(0dBu, 1kHz, A-wt)/Line; 93dB(0dBu, 1kHz, A-wt)/Line
Input interface: 3.81mm Phoenix, 12-pin	Frequency response: 20Hz to 20kHz(+/-0.1)/Line; 20Hz to 20kHz(+/-0.1)/Mic	Power supply: DC +12V
Input impedance: 11.5k ohm		Dimension:
Max input level: 12dBu/Line; 12dBu/Mic	THD+N: -90dB(0dBu, 1kHz, A-wt)/Line; -90dB(0dBu, 1kHz, A-wt)/Mic	215mm*145mm*45mm
		Net weight: 1.2kg
Phantom: DC +48V 4.5mA/ch		Gross weight: 1.4kg

MDM-D4   4x4 Dante channels

MDM-D4 is a 4 inputs and 4 outputs DSP matrix audio interface for use with the *Musicall music and message* system. It provides with useful voice algorithm AFC, AEC, ANC, and DSP functions including auto mix, matrix mixer, noise gate, crossover, parameter EQ, delay, compressor, limiter etc. It supports Dante network audio with 4x4 channels.

Use MDM-D4 to connect conventional amplifiers and/or sources (with analog connections) to the Dante based MusiCall Music & Message systems. With MDM-D4 you can add a wide range of DSP functionalities to the MusiCall Music & Message system and optimise local inputs.
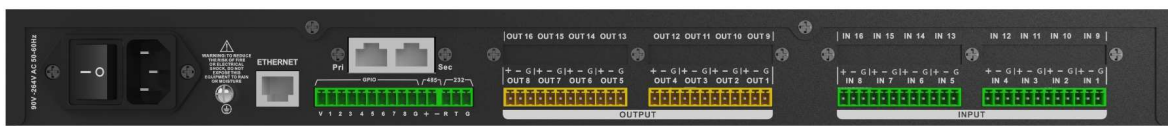

Software

The MusicAllDSP software provides the user a fast tool to control one or more devices through multiple methods: TCP/IP, USB, common serial port (RS232/485). Easily set DSP functions of devices, GPIO control and check central control codes. The configurations can be stored in presets, convenient for various applications.
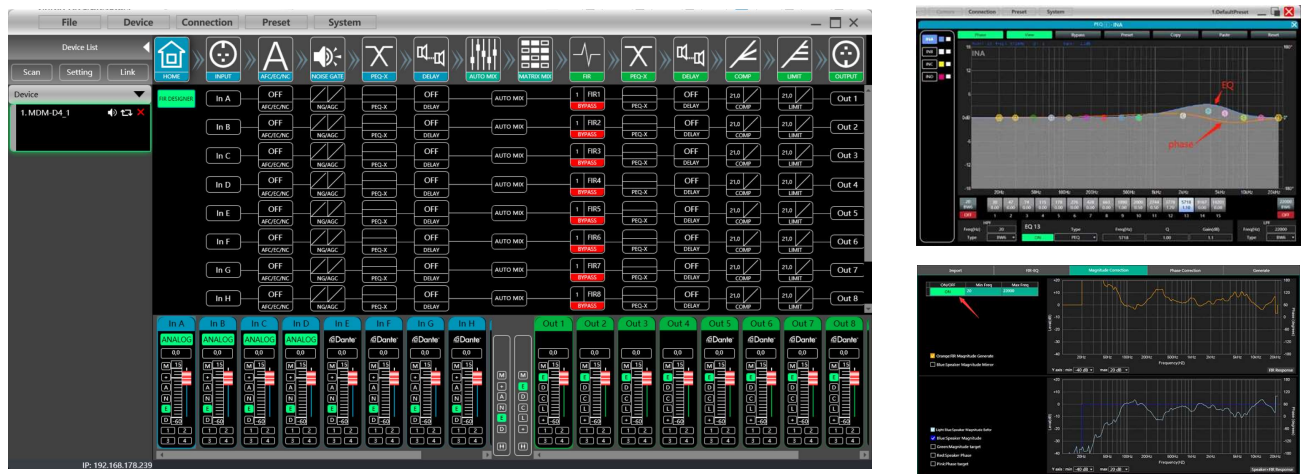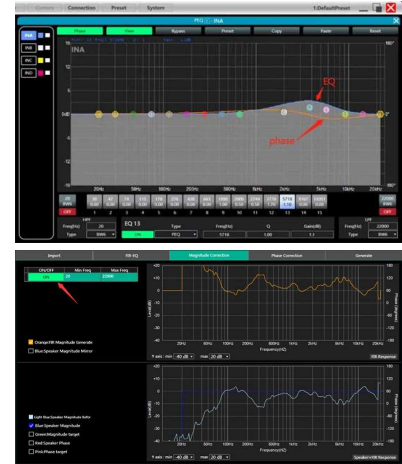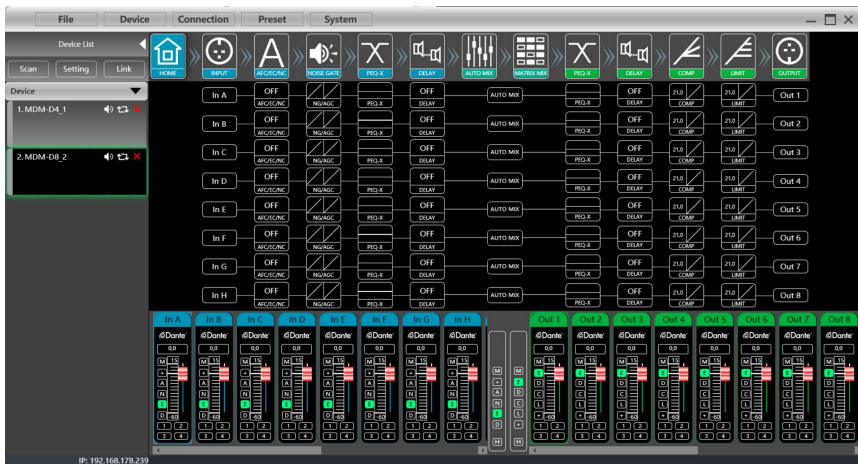
MDM-D8   16x16 Dante channels

MDM-D8 is a 8 inputs and 8 outputs DSP matrix audio interface for use with the *Musicall music and message* system. It provides with useful voice algorithm AFC, AEC, ANC, and DSP functions including auto mix, matrix mixer, noise gate, crossover, parameter EQ, delay, compressor, limiter etc. It supports Dante network audio with 16x16 channels.

Use MDM-D8 to connect conventional amplifiers and/or sources (with analog connections) to the Dante based MusiCall Music & Message systems. With MDM-D8 you can add a wide range of DSP functionalities to the MusiCall Music & Message system and optimise local inputs.

Software

The MusicAllDSP software provides the user a fast tool to control one or more devices through multiple methods: TCP/IP, USB, common serial port (RS232/485). Easily set DSP functions of devices, GPIO control and check central control codes. The configurations can be stored in presets, convenient for various applications.

MDM-D16   16x16 Dante channels

MDM-D16 is a 16 inputs and 16 outputs DSP matrix audio interface for use with the *Musicall music and message* system. It provides with useful voice algorithm AFC, AEC, ANC, and DSP functions including auto mix, matrix mixer, noise gate, crossover, parameter EQ, delay, compressor, limiter etc. It supports Dante network audio with 16x16 channels.

Use MDM-D16 to connect conventional amplifiers and/or sources (with analog connections) to the Dante based MusiCall Music & Message systems. With MDM-D16 you can add a wide range of DSP functionalities to the MusiCall Music & Message system and optimise local inputs.

Camera control (PELCO-D, PELCO-P, VISCA protocol) to move camera to the active microphone on a conference or online meeting with multiple people.

Software

The MusicAllDSP software provides the user a fast tool to control one or more devices through multiple methods: TCP/IP, USB, common serial port (RS232/485). Easily set DSP functions of devices, GPIO control and check central control codes. The configurations can be stored in presets, convenient for various applications.
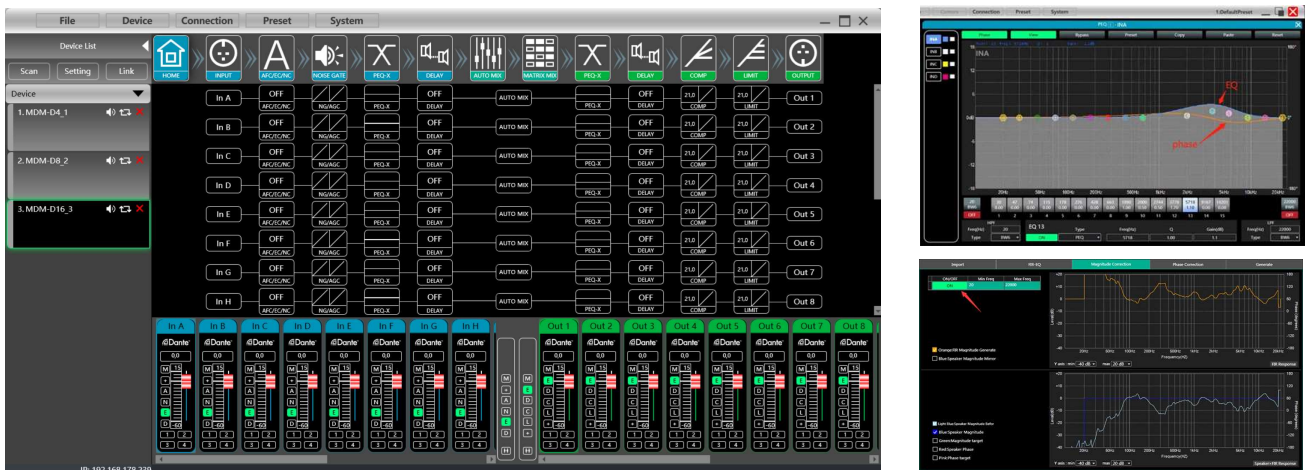
PoE+ Dante® ceilingspeaker 6.25 inch

MDM-SP6   30/60W

MDM-SP6 is especially designed for PA systems based on Dante audio networks like our MusiCall Music & Message systems. It is suitable for installation into lightweight ceilings. The speaker is ideal for hotels, conference rooms, shoppingcenters, education, hospitals, retail stores, performing art centers, restaurants, airports, houses of worship, and board rooms. It features a Class-D amplifier, with a maximum digital input signal, the amplifier will provide 30W power.

MDM-SP6 is a Dante™ audio network addressable and self-amplified ceiling speaker system.
Power supply via POE+ (Power over Ethernet) or DC19V power supply, available at option. The speaker includes a Class-D amplifier which provides effective use of power.

The speaker is also compatible with AES67 which makes this speaker system to be flexible with other audio network systems. The network system is also Dante Domain Manager Ready.

MDM-SP6 has excellent dispersion, wide bandwidth and a smooth frequency response which makes this the top choice for today's overhead commercial applications.

Specifications:

Audio Input	Dante Audio via Ethernet
Output Power	30W
Signal to Noise Ratio	105dB
RJ45 Interface	1x RJ45
Audio Compability	Dante / Dante Domain Manager / AES67
Route switching control	Dante™ controller software
Power supply Power supply	via POE+ [Power over Ethernet, IEEE 802.3at2009] or DC19 V [4.74A] power supply, available at option
Tweeter	1"swirl loaded dome tweeter
Woofer	Cone 6.25"aluminium cone bass/midrange
Rated Power	60W (speaker)
Rated impedance	8 Ohm (speaker)
Frequency Range	45Hz-20KHz
Sensitivity	91 dB
Hole Size	Ø206mm
Dimensions	Ø235*155mm [Diameter*Thickness]
Material	ABS
Diameter of the Grille	Ø232mm
Grille thickness	4mm