











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





Dante

Software: Zones

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Alarm								
Geluid								
Instellingen	Algemene ruimtes BG	⊳⊗	Beurshallen Hoogbouw	II 🕸	Beurshallen Laagbouw	⊳®		
	Bron		Bron		Bron			
		~	NPO 3FM	~	Radio Qmusic	~		
	Audio volume		Audio volume		Audio volume			
	Gangen + kantine	⊳⊚	Kantoren	⊳⊗	Restaurant 1	⊳⊗		
	Bron		Bron		Bron			
		~	NPO 3FM	~	Draadloze Microfoon	~		
	Audio volume		Audio volume		Audio volume			
	I		I					
	Restaurant 2	⊳⊗	Restaurant 3	⊳⊗	Slaapkamers	II 🕸		
	Bron		Bron	r	Bron			
$\langle \mathbf{O} \rangle$			Radio 538		Draadloze Microfoon			
	Audio volume	1988	Audio volume		Audio volume			

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.

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MUSICALL Music & Message	Cone 13 ▷ 🕫	Zone 14 D 🔞	Zone 15. ▷ 🔯	

Available in any language.



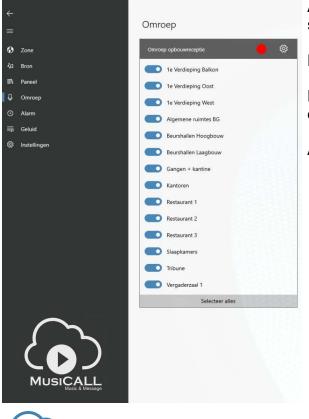




Software: Panels

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	Paneel Lay-out
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🚯 Zone	Restaurant 1
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Ø Instellingen	Restaurant 2
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	Restaurant 3 Restaurant 3
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Software: Zone paging



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

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

< ≡	Alarmen ····
S Zone	O Default
ね Bron	💽 start werkdag 1e groep 👂 💿 Start werkdag 2e groep 👂 🚳
IIN Paneel	07:00 Mandag, Dinadag, Woenslag, Donderdag, Vijdag Anorphan, Benghammer, Science J, Kamer J,
© Alarm iiii Geluid	
Instellingen	💽 3 min voor einde pauze 🕨 🛞 💽 Einde pauze 🕨 🎯 💽 Start lunchpauze 🕨 🎯
	09:57 Mandag Dinadag Donderdag Unidag hotpshoe berghover to Samer 1: Colored 2. Samer 2. Samer 3. Samer 3. Samer 3. Samer 4. Sam
	💽 3min voor einde pauze 11 🕨 🛞 💽 Einde lunchpauze 🕨 🛞 💽 Start middagpauze 🕨 🛞
	12:42 Mandag, Dinadag, Woensdag, Donderdag, Vijdag hetgibel: Belgiberere Contex, Extense J. Contex, C
	💽 3 min voor einde pauze III 🕨 🛞 💽 Einde middlagpauze 🕨 🎯 💽 Einde werkdag 1e groep 🕨 🎯
	15:12 Mandag, Dinadag, Woenadag, Donderág, Vijádaj betytelse berjánismer Canne J, Comor J
	Ernde werklag 2e groep Image: Control of the second s

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

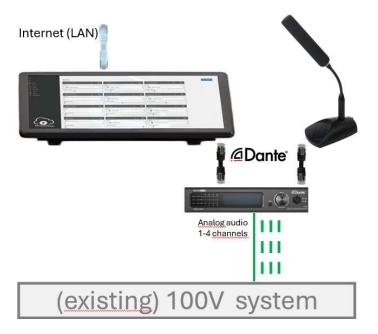
Radio 03. NP			Omroep 01. Souterrain Klooster, 02. Beganegrond Klooster, 03. 1ste Verdieping Klooster, 0
	radio	R radio	Verberg zone selectie 01. Souterrain Klooster
	Radio 01. NPO Radio 1	Radio 02. NPO Radio 2	02. Beganegrond Klooster 03. 1ste Verdieping Klooster 04. 2de Verdieping Klooster
	~		05. Gymzaal
o volume	¢. E		06. Buiten Selecteer alles
\sim	Radio 03. NPO Radio 3FM	Radio 04. Q music	Alarmen 2e uur
	€530 €	Skynedia	O. Southerain Klooster, 02. Beganegrond Klooster, 03. Iste Verdieping Klooster, 04. 2de Verdieping Klooster, 05. Gymze

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



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.

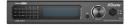
The system can be programmed to start and stop playing at preset times in certain zones, a example could be the music in the kanteen zone can be programmed to start and stop automatically.

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



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



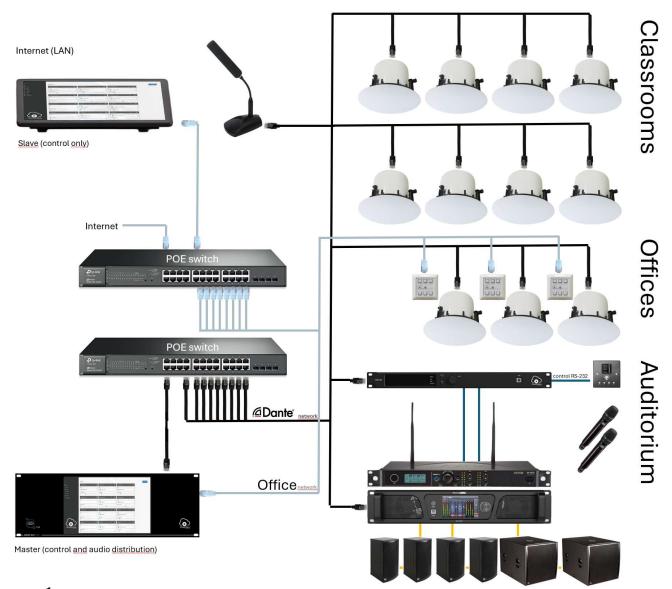








Example: School, Dante solution, 1-64 individual zones



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.



Dante

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

System components overview:

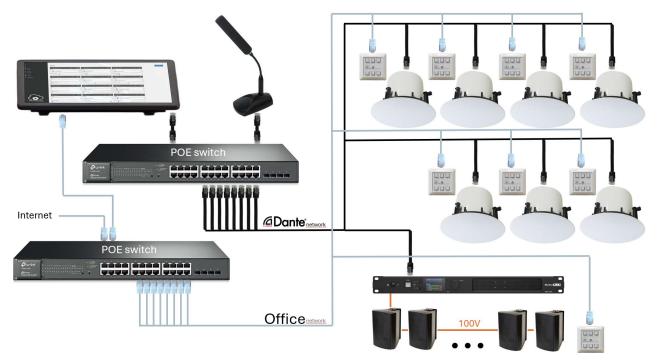
MDM-MIC	Dante® PoE microphone with gain control and on/off button	
MDM-TS	MusiCALL Music & Message slave unit to control another server in the network. With 10 inch touchscreen. Three years online support included.	
MDM-S16	MusiCALL Music & Message Windows IoT server 16 zones, 8 inputs, Dante® Virtual 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	remos
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	0
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, 8 Ω , 1.2 kW RMS	8
GENERIC	PoE+ switch with 30W port power needed for use with speakers	Piper







Example: Factory with offices, Dante® solution



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:

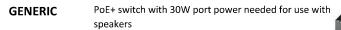
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MUSICALL	Wropdersaal 1 Selecter alle	 3min voor einde paaze II 3min voor einde paa



Dante

Example: Factory with offices, Dante® solution

System components overview: **MDM-MIC** Dante® PoE microphone with gain control and on/off button MusiCALL Music & Message main unit / MDM-T8 announcement console when combined with a microphone. 8 (Dante®) zone outputs, 10 inch touchscreen, double LAN connection. Three years online support included. PoE powered Dante[®] ceiling speaker 30W, 45Hz-MDM-SP6 20kHz, sensitivity 91dB, 24bit 44.1/48kHz, AES67 compatible, 235x155mm , cutout 206mm. PoE+ or 19VDC PSS (separate accessory) MusiCALL IP zone controller PoE powered, 6 MDM-CON6 configurabele buttons MUSICALD ĊĊĊ Network DSP Power Amplifier $2x300W@8\Omega / 2x450W$ DDA-23DT 4Ω / 1x 900W @8 Ω or 100V in bridge mode. With 2 Dante[®] input channels, MusicAllDSP software Two-way speaker (8+1"), (60, 30, 15 & 7,5 W), 100 V & 8 BS-60BA ohm. Black ABS













Dante

Example: Factory with offices and conference room, Dante® solution ffices POE switch Internet @Dante POE switc Factory Hall Office POE switc 5999 59 9 5999 Conference Room ٢ õ USB<-Dante

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

← = � Zone	Omroep Omroep (sploaumengde	Alarmen
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	Kontown Reducard 1 Reducard 2 Reducard 3 Staglamers Tobore Vegalatzard 1	3min voor einde paaze 9 3min voor einde paaze 9 9 10
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System components overview:

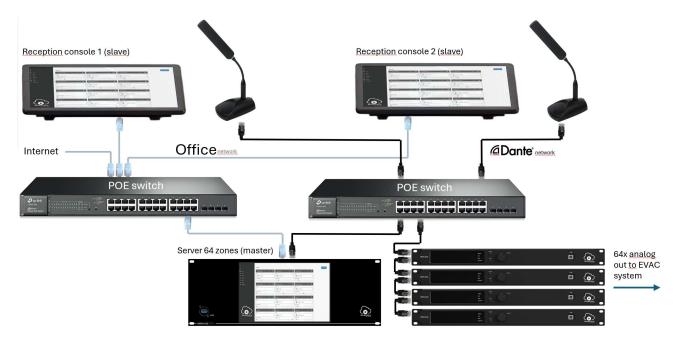






Dante

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:

<i>←</i> -	Omroep	Alarmen
 S Zore Zore R Panel O Amrop Amr Galant B Galant Installingen 	Connegation Image: Connegation 1 bedreigeng Balan 1 bedreigeng Balan 1 bedreigeng West	Default Start werkdag 1e groep Start werkdag 2e groep Start werkdag Start werkdag 2e groep Start werkdag
	Carbone Carbo	Amin voor einde pauze O
	Selecter alea	Smin voor einde pauze I S

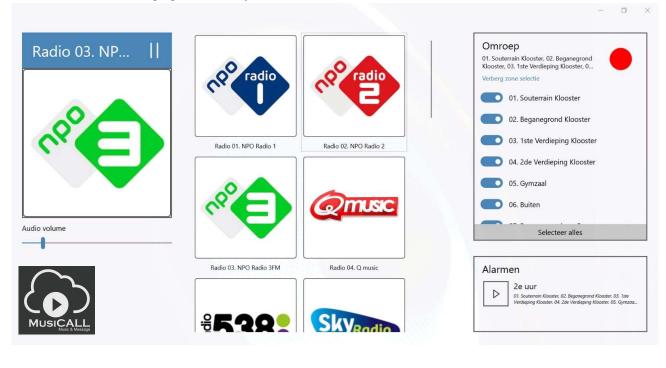




Example: Fairground / Zoo with EVAC solution

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	5
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	



Dante

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.











Dante

Hardware: rack version

- MusiCALL Music & Message Windows IoT server 2 MDM-S2 zones, 8 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.
- MusiCALL Music & Message Windows IoT server 4 MDM-S4 zones, 8 inputs, Dante[®] Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.
- MusiCALL Music & Message Windows IoT server 8 MDM-S8 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.
- MusiCALL Music & Message Windows IoT server 64 MDM-S64 zones, 16 inputs, Dante® Virtual Soundcard, 10 inch touchscreen, double LAN connection. Three years online support included.





Dante

Hardware: accessories

MusiCall music & message audio interfaces

- Dante® IO interface, 4x4 analog IO / 4x4 Dante® IO, MDM-44DT mic/line level inputs, application included. Audio Matrix 4x4 DSP interface, 4x4 analog IO / 4x4 MDM-D4 Dante® IO, RS485, USB, Priority, Automix, app control Audio Matrix 8x8 DSP interface, 8x8 analog IO / 16x16 MDM-D8 Dante® IO, RS485, USB, Priority, Automix, app control Audio Matrix 16x16 interface, 16x16 analog IO / 16x16 MDM-D16 Dante® IO, RS485, USB, Priority, Automix, app control Control panel for MDM-D4/D8/D16 RS232 connection, MDM-P1 9-18V DC MusiCall music & message IP zone controller MDM-CON6 MusiCALL IP zone controller PoE powered, 6
- configurabele buttons

MusiCall music & message accessoiries

- Dante® PoE microphone with gain control and on/off MDM-MIC button
- PoE powered Dante® ceiling speaker 30W, 45Hz-MDM-SP6 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.



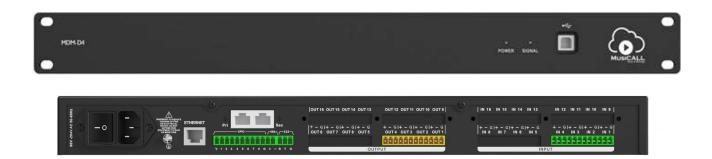
Input channels: 4x balanced	Output channels: 4x balanced	SNR: 93dB(0dBu, 1kHz, A-
input, Mic/Line level	output, Line level	wt)/Line; 93dB(0dBu, 1kHz, A-
Input interface: 3.81mm	Frequency response: 20Hz to	wt)/Line
Phoenix, 12-pin	20kHz(+/-0.1)/Line; 20Hz to	Power supply: DC +12V
Input impedance: 11.5k ohm	20kHz(+/-0.1)/Mic	Dimension:
Max input level: 12dBu/Line;	THD+N: -90dB(0dBu, 1kHz, A-	215mm*145mm*45mm
12dBu/Mic	wt)/Line; -90dB(0dBu, 1kHz,	Net weight: 1.2kg
Phantom: DC +48V 4.5mA/ch	A-wt)/Mic	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.

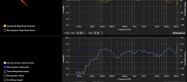


Software

The MusicAlIDSP 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.

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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.

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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.

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2.MDM-D8 2 4) 🗗 🗙		In C				PEQ.X	OFF	}	AUTO			PEQ-X	OFF	21.0	<u> </u>	<u> </u>	Out 3	
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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 ampliler, with a maximum digital input signal, the ampliler 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 Output Power Signal to Noise Ratio RJ45 Interface Audio Compability

Route switching control Power supply Power supply

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





Dateq International BV, De Paal 37, 3051JG, Almere, The Netherlands.