

QUICK START INSTALL GUIDE EDITION 1



### **Step 1 DANTE PREPARATION**

Connecting all devices to a network

When installing the zone controllers, note their location on the packaging. Or make a list of locations and mac addresses. The controllers can be identified by their mac address in the software. When the locations of the controllers (mac addresses) are known, a lot of time can be saved this way.

Connect the MusiCall main unit to a network with internet access. We recommend to use both the network connections, one connected to the internet for receiving internetradio, online support, updates the communication with the optional zone controllers. Use the second network connection for Dante audio distribution only (in its own network). For example:



Start up the system and enter the 'Settings' account for configuration. Password for this account is at the label on the server. Please set a unique password after logging in.

→ All passwords and access codes are printed on the server. For maximum security please set a unique password after logging in.

Start Dante Controller under Start->Audinate->Controller.



Here you can connect the Dante devices to the inputs and outputs of the MusiCall server. Make sure the green indicator shows up when connecting Dante devices. A common warning is a sample mismatch, set the device you are connecting to 16 bit / 44.1kHz to resolve this issue. See Audinate.com for more info. Default configuration is setup in mono. For stereo zones and or sources use 2 channels per zone and source.

## Step 2 LOCAL AUDIO FILES

If you want to use audio files in MusiCall like announcement chimes, music tracks, commercials, then copy the files into a folder where you can find them back easily. The files should be standard Windows types like .mp3 .wav etc.

Playlists should have a folder of their own in the C:\Users\Public\Public Music folder. Add a folder with songs, the folders name becomes the name of the playlist. In playlists the songs are played in shuffle mode when selected. Otherwise it will be played in the way Windows would. See page 8 how to add playlists to the system.

After completing the preparation restart the system and enter the MusiCall account Step 3 MusiCall SOFTWARE SETUP

## Zone tab

To edit a zone press on the label at the server. To add a zone press + Add button at the top right.

÷					- 0 ×
≡	Zones				+ Add
S Zone	Zone 01	⊳ ⊗	Zone 02	⊳ ©	
ね Source	Source		Source		
M Panel	1538: 05. Radio 538	~	06. Sky Radio	\ \	
D Broadcast	Audio volume		Audio volume		
🕑 Alarm	1		1		_
≒ Sound					
Settings	Zone 03	⊳ ⊗	Zone 04	> ∅	
	Source		Source		
		~			
	Audio volume		Audio volume		
	I		-		-
		× ~~		×	
	Zone 05	\$\$ <b>⊲</b>	Zone 06		
$\sim$	Source		Source		
		~			
	Audio volume		Audio volume		
			ŀ		
	Zone 07	⊳ 🕸	Zone 08	⊳ ⊗	

Zones	Edit Zone 01	Û
Zone 01	Name Zone 01	×
Source	Туре	
Audio volume	ASIO Output device	$\sim$
	Dante Virtual Soundcard (x64)	$\sim$
	Left channel	
Zone 03	Dante tx 1	$\sim$
Source	Right channel	
	No audio	$\sim$
Audio volume	Audio master volume	
	Start zone on time	
Zone 05	Off Off	
Source	Stop zone on time	
	Time	
Audio volume	0 00	
1	OK Cancel	

#### Name

Enter a name for the zone

### Audio master volume

When there are Dante devices with different gain levels you can reduce the output volume here, which results in a less sensitive volume control in the zone.

#### Start zone on time

The system automatically starts the last played stream, playlist or source at the desired time.

### Stop zone on time

The system automatically stops the stream or source at the desired time. Default setting is 0.00 o'clock.

## Source tab

Press the source you want to edit. To add a source press + Add button at the top right.



## Edit a source

Edit 01. NPC	O Radio 1			Û
np <sup>o</sup> radio				
Standard options	s			
User defir	ned			$\sim$
Name				
01. NPO Radio	1			
Туре				
Stream				$\sim$
Stream				
https://icecast.	omroep.nl/radio1-bb-n	np3		⊳
Channels			1	
Stereo				$\sim$
Audio volume				
				-

## Name

Enter a name for your source Audio volume Adjust the gain of this source so it matches the sound level of the other sources.

## Add a source

←			and the second second		-
	Sourc	Add item			+ Add
		icon		$\sim$	
				->	
		Standard options			
		User defined	~		
		Name			
		Type		Radio 2	
		Stream	~		
		Stream			
			⊳		
		Channels			
		Stereo	~		
		Audio volume			
MUSICALL		ОК	Cancel		
Mars C & Message					

#### lcon

Click to add a icon for your User defined source. The preset sources have a icon already.

	icon	
anda	ard options	
	User defined	
٢	Stream	
	LINE-IN (RCA)	
0	LINE-IN (XLR)	
0	Microphone	
828	Projector	
	USB (PC)	
*	Bluetooth	
Stere	eo	~
idio	volume	

## Standard options

Choose a preset source from the list or use the 'User defined' option if you want to make a custom source.

icon		
Standard options		
User defined		1
Name		
Туре		
Stream		
ASIO		
WDM		
Playlist		
Stereo		×
Audio volume		

#### Name

Enter a name for your source

Type (of source) / Inputdevice

<Stream> Internetradio stream

Add a mp3 or aac stream in the stream box and press play to check it. Sound will play from built in speaker.

<ASIO> Dante or USB ASIO soundcard

Select Inputdevice. (Dante or USB)

<WDM> Built-in mic or USB WDM soundcard

Select Inputdevice. (Built-in or USB)

<Playlist> Playlist

Select playlist. Turn shuffle on to mix files

## Left channel

Select the Dante input (rx) channel you have chosen to use as your left (or mono) channel input for this source in Dante Controller.

### **Right channel**

Select the Dante input (rx) channel that you have chosen to use as your right channel input for this source. For mono use select 'No audio'.

### Audio volume

Adjust the gain of this source so it matches the sound level of the other sources.

## Panel tab

Setup controllers under Panel screen. First make one or more layouts that you want to use in the zones. (Click +Add to add a layout) → This way it is possible to make a personalised selection of radio channels / playlists / sources for every zone.



Then select the controller, the mac address (in this case ...1D903A) is printed on the pcb of the controller. Select a layout and a zone and you are ready.



## Broadcast tab



To start a broadcast press and hold the red dot in the desired group. Swipe up to lock. To edit broadcast settings, press i and enter the access code

Edit	Û
Туре	
ASIO	~
Input device	
Dante Virtual Soundcard (x64)	V
Left channel	
Dante rx 1 General announcements , Kitchen announcements	Ŷ
Right channel	
No audio	×
Audio volume	
Zone selection Clear choices	
Zone audio volume	
<ul> <li>Sound to play at start</li> </ul>	
No sound	×

#### Type (of source) / Inputdevice

<ASIO> Dante or USB ASIO soundcard Select Inputdevice. (Dante or USB) <WDM> Built-in mic or USB WDM soundcard Select Inputdevice. (Built-in or USB)

### Left channel

Select the Dante input (rx) channel you have connected your microphone to in Dante Controller.

### **Right channel**

Select the Dante input (rx) channel you have connected your microphone to in Dante Controller. For mono use select 'No audio'.

## Audio volume

Adjust the gain of your microphone.

### Zone selection

When you select 'Clear choices' your zone selections will be reset after a announcement and you have to manually select them again

### Zone audio volume

Set the remaining audio level you want to hear during announcements, to mute the audio set the level to 0.

## Sound to play at start

Choose a chime that will be played when you start your announcement. You can only select files here when you have first added them under sounds, see step 2 Local audio files, page 2.

÷					
=		Broadcast	Add item		+ Add
~			Name		
S		Omtoep			
न्द्रव		Kitcher	Туре		
05			ASIO		
в		Cobby	Input device	P.24	
		Recept	Dante Virtual Soundcard (x64)		
Θ			Left channel		
≡ġ			Dante rx 1		
3		100	Omroep		
			Right channel		
			Dante rx 2		
			Audio volume		
			Zone selection		
	$( \mathcal{T} )$		Clear choices		
			Zone audio volume		
			I		
			and and a set of the s		
	ing ya sisterye		OK Cancel		

To add a broadcast preset / group press + Add button at the top right of the Broadcast screen and enter the access code.

Name your preset and setup the broadcast preset.

## Alarm tab



To make a preset with several alarms in it press the 🔤 button and select Add preset. Then name it and start setting alarms. To Edit a preset select it (so the blue line is under its name) press the 🔤 button and click Edit selected preset.

Start setting alarms by pressing + Add button at the top right of the Alarms screen.

Preset			
Preset 1			~
Sound			
3Tone_Chime-	-002		~
Days	Monday	Tuesday	Wednesday
	Monday	Tuesday	Wednesday
Sunday			
Thursday	Friday	Saturday	
Sunday     Thursday     Zones     Hall	Friday	Saturday	
Thursday Thursday Zones Hall Hall	Friday	Saturday	

Name

Enter a name for your alarm

#### Preset

Choose a preset you want to add this alarm to.

### Sound

Choose the sound file you want to play

### Activate on time / Activate on trigger

When set to 'activate on trigger' the alarm has to be started manually by pressing the play button When activated on time the alarm is automatically played at the times that are selected.

### Zones

Select the zones you want the alarm to be played in

# Sound tab

<i>←</i> =	Sounds	+ Add	
O Zone ↓1 Source	02 - Slowhoop_4x 2		0
NN Panel D Broadcast	3Tone_Chime-002	🗅	0
⊙ Alarm ■ Sound ® Settings	weatherwarning	🗅	0
	zoemer4sec	î	0

Left click the + Add button to add the sound files you have saved under initial setup step 2.

Find the folder you used under step 2 (see page 2) and select the file. Click Open to add the file.

Open			×	
$\leftarrow \rightarrow  \checkmark  \uparrow  \clubsuit  This PC \rightarrow Music$	× ت	iearch Music	Q	
Organize 👻 New folder		N • 🛄	0	
Videos ^ 🗌 Name ^	# Title	Contributing artist	ts Albi	🗅
> CneDrive				
This PC     To Spects				<b></b>
> Desktop			-	
> 🗎 Documents				<b>1</b>
> 🕂 Downloads				
> h Music 🗸 K			>	
File name:	~	All files	~	

Sounds 02 - Slowhoop\_4x 2 C1 🚳 3Tone\_Chime Û C 😳 Edit 02 - Slowhoop\_4x 2  $\triangleright$ weatherwarn LT 🔅 Name p2 - Slowhoop\_4x 2 × zoemer4sec Audio volume 다 🐯 OK Cancel

Click the settings wheel to change volume or rename the file. Press play to check the file, sound will be played through the built-in speaker.

## Settings tab

Check for updates in Settings screen. During updates music will be interrupted shortly.



After all settings have been made please backup your system.

## Single zone mode

The single zone mode can be used with any MusiCall server or MusiCall client. For example:



o × Broadcast Radio 05. Radio 538 Zone 01 Lobby, Zone 02, Zone 06 adio Hide zone selection Zone 01 Lobby Zone 02 Zone 03 LINE-IN (XLR) Playlist ochtend Radio 01. NPO Radio 1 Radio 02. NPO Radio 2 Zone 04 Zone 05 Sky<sub>Radio</sub> **±538** music Zone 06 Select all Radio 03. NPO Radio 3FM Radio 04. Q music Radio 05. Radio 538 Radio 06. Sky Radio Alarms Tuesday break 11 Zone 01 Lobby, Zone 02, Zone 03, Zone 04, Zone 05, Zone 06, Zone 07, Zone 08 VERONICA Break Audio volume ARROW >SLAM! 11 RADIO . Zone 01 Lobby, Zone 02, Zone 03, Zone 04, Zone 05, Zone 06, Zone 07, Zone 08 CLASSIC ROCK End of break 11 Zone 01 Lobby, Zone 02, Zone 03, Zone 04, Zone 05, Zone 06, Zone 07, Zone 08 Tuesday 3rd hour 11 Radio 07. Radio Veronica Radio 08. Slam FM Radio 09. Arrow Classic Rock Radio 10. Radio 10 Zone 01 Lobby, Zone 02, Zone 03, Zone 04, Zone 05, Zone 06, Zone 07, Zone 08 SUBLIME 100%N RADIO JOIN THE GROOVE isten to the music **SOUL & JAZZ** MUSICALL Radio 11. 100% NL Radio 12. NPO Soul & Jazz Radio 14. 40 UP Radio Radio 13. Sublime Jazz

The client or slave can show the same graphical interface as the server or it can be set to single zone mode:

In single zone mode the display only shows:

\*source and volume settings for one selected zone

\*announcement functionality specific for a selected announcement microphone

\*selected alarms (or a selection of alarms) that can be triggered manually

To enter single zone mode go to 'Settings' tab, press 'Activate mode' and enter the config access code (that is printed at the label on the server)



The setup window appears:

Single zone mode					
Choose zone					
Zone 01 Lobby	~				
Volume control					
On On					
Choose broadcast					
Omroep (ALL CALL)	$\sim$				
Change broadcast zones					
On On					
Choose alarms					
1st hour					
2nd hour					
Tuesday break					
Break					
End of break					
3rd hour					
Tuesday 2nd hour					
3rd hour					
ОК	Cancel				

**Choose zone** Choose the zone you want to be able to control

**Volume control** Enable / disable volume control for the selected zone

**Choose broadcast** Choose one of the broadcast windows you want to use in this screen.

**Change broadcast zones** Select On if you want to be able to select the zones you want make announcements to.

**Choose alarms** Choose alarms you want to be able to trigger manually from the single zone screen.

Press OK to enter 'Single zone mode'. When you are in 'Single zone mode' you can go back to settings or MusiCall main screen by pressing the MusiCall logo at the left and enter the 'config access code'.

## Configuration

To enter configuration go to 'Settings' tab, press 'Configuration' and enter the config access code



The configuration window appears:

Configuration	
Configuration	
Available modules	
Source available	
Yes	
Panel available	
Yes	
Broadcast available	
Yes	
Alarm available	
Yes	
Sound available	
Yes	
Zone options	
Edit zone volume	
Enabled	
ОК	Cancel

## Available modules

Here you can select which tabs you want to show in the MusiCall main screen. **Zone options** Turn off volume control in the main screen, zone controllers can change volume, example:

]	Zones	_			_	+ 400	
	Zone 01	⊳ 🤹	Zone 02		0		
Setting:	Source		Source				
	15381 05. Radio 538		V 06. Sky Radio		~		
	Audio volume		Audio volume				
			2 2000	N	~		
	2018-03	·	2 2011E 04	-	~		
	Source		Source				
			~		~		
	Audio volume		Audio volume				
	Zone 05	⊳ 🤅	Zone 06	⊳	۲		
$\sim$	Source		Source				
2			~		~		
	Audio volume		Audio volume				
MUSICALL							

For more info visit www.dateq.nl

Enjoy your MusiCall Music & Message system.