



Programming Steps • Installation Notes • Integration Tips

MS-1 / MS-3 Music Streamer Setup

Contents

Α.	Overview	1
В.	Getting Started	1
C.	Launch the RTI Music Configuration Utility	2
D.	Connect to the MS1 / MS-3	3
E.	Check Connectivity Status	3
F.	Update the MS-1 / MS-3 Firmware	5
G.	Update the License	5
Н.	Reboot the MS-1 / MS-3	6
١.	Add a NAS Drive to the MS-1 / MS-3 (Via DLNA or Manually)	6



A. Overview

Learn how to set up the MS1 or MS-3 Music Streamer in a hassle-free and convenient way.

B. Getting Started

Before setting up the MS-1 / MS-3 make sure you are completely up to date with all the necessary software and firmware.

- 1. Update your processor's Firmware
- 2. Update all your controllers' Firmware
- 3. Update the Integration Designer software to the latest version
- 4. Update your RTI Panel App on the respective App store

C. Launch the RTI Music Configuration Utility

Option 1

Click the "Windows Start Button" on the bottom left corner of your monitor and type "rti" to find the RTI Music Configuration tool that was installed with the latest Integration Designer software. Click on "RTI Music Configuration" to launch it.

All	Apps	Documents	Settings	Photos	Email	More 🔻		
Best n	natch							
♪	RTI Mus App	ic Configurati	on				J	
Folder	rs (3+)	へ				RTL	Music Configuratio	n
Docur	nents - Thi	s PC (2+)					App	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Photo	s (2+)							
					d	Open		
					5	Run as administr	rator	
					D	Open file locatio	n	
					-13	Pin to Start		
					-13	Pin to taskbar		
					Û	Uninstall		
	_							
	d l							

Option 2

Click the "Windows Start" Button on the bottom left corner of your monitor then click on "All Apps", scroll down to the Apps that start with an "R" and click "RTI Music Configuration" to launch it.



D. Connect to the MS1 / MS-3

Your computer needs to be in the same network as the MS-1/MS-3 to be able to connect to it for the setup procedure. Once you launched the RTI Music Configuration software it will automatically search the network for MS-1 / MS-3 units. Select the MS-1 / MS-3 you want to setup.



E. Check Connectivity Status

Check the Connectivity Status to make sure the communication with the update server is successful.

- 1. Select "Manage" then select "Network "
- 2. Select the "Connectivity" tab and click on "Check Connectivity"

1 M	IS-3 Configuration Utility	Manage Network Interfaces	×
<u>F</u> ile	Manage Action <u>U</u> tilities Integratio System Time Schedule Access Control	Wired Interface DHCP Reset Connectivity Check Connectivity	
F	Nework Media Server Players Play Enforcement	Manage Network Interfaces Wired Interface DHCP Reset Connectivity	×
ľ	Streaming Music Services Remote Music Sources (NAS) Music Playback	Check Connectivity Communication with update server successful.	

Important Note:

If the MS-1 / MS-3 Configuration Utility returns the message "Unable to Communicate with the Update Server", follow these steps:

 Change the DNS Servers in the router to: Primary: 8.8.8.8 Secondary: 8.8.4.4

Please check with your system admin or router user guide for information on how to access and change DNS addresses on your router brand.

2. Reboot the MS-1 / MS-3: Select "Action" then select "Reboot"

If you still get the "Unable to Communicate ..." message, take these additional steps:

- 1. Launch the MS-1 / MS-3 configuration utility from the "RTI Music Configuration" in the start menu.
- 2. In the MS-1 / MS-3 configuration utility, select "Manage" then select "Network".
- 3. Select the "Static IP Address" radio button under the "Wired Interface" tab.
 - a. Select an available IP address preferably outside the DHCP range and type it into the IP Address field.
 - b. In the **Mask** field, enter in your network subnet address.
 - c. In the **Gateway** field, enter in the network gateway, typically the router IP address.
- Add both DNS server addresses as entered in the router settings in the DNS Servers box. Primary: 8.8.8.8 Secondary: 8.8.4.4

Manage Network Interf	aces	×
-		
Wired Interface	DHCP Reset Cor	nnectivity
O Dynamic (DH	ICP) Address	
Static IP Add	ress	
IP Address	Mask	Gateway
192.168.27.1	50 255.255.255	.0 192.168.27.1
DNS Servers		
8.8.8.8 8.8.4.4		
IMPORTANT: Us possible.	e DNS servers provic	led by your ISP whenever
Close		Apply

- 5. Reboot the MS-1 / MS-3: Select "Action" then select "Reboot"
- 6. Update the license see section G on the next page

F. Update the MS-1 / MS-3 Firmware

Updating the MS-1 / MS-3 firmware is a mandatory. Make sure the update process finishes properly.

- 1. Select "Action"
- 2. Select "Check for Updates"

1 M	S-3 Configura	tion Utility		
File	Manage	Action	<u>U</u> tilities	Integration
		Che	ck for Up	dates
		Reb	oot	

G. Update the License

Make sure the Manufacturer is listed as RTI and the software version is 21.9.6.0 or higher.

- 1. Select "Utility" then select "View License"
- 2. Click "Refresh from Internet"

MS-3 Configuration Utility	MS-3 Configuration Utility —
File Manage Action Utilities Integration Preferences	Eile Manage Action Utilities Integration
View License View Logs Monitor System Performance	Software SNB827EB8D4659CreatedJul 26, 2021Hardware SN917-0110081IssuedSep 17, 2021ManufacturerRTIExpiresNeverModelMS3IssuedEnabledSoftware Version21.9.6.0Software VersionSoftware Version
	Player MACs Features 98fe95003899 98fe9500389a 98fe9500389b component/aes67 Feature Value component/cdripper False component/server True
	Condition OK Message Refresh from Internet Refresh from Local Machine

H. Reboot the MS-1 / MS-3

- 1. Select "Action" then select "Reboot"
- 2. Click "Reboot Now"



RTI Music Configuration

File Manage Action Utilities Integration

System Time... Schedule...

Access Control Network...

Media Server Players...

I. Add a NAS Drive to the MS-1 / MS-3 (Via DLNA or Manually)

Method 1: Adding a NAS Drive using DLNA

- 1. Select "Manage" then select "DLNA/UPnP Music Servers"
- 2. Tick the "Enable" checkbox
- 3. Optional: Enter any menus you want to
- 4.

ignore.	Play Enforcement			
Pross "Ok"	Streaming Music Services	•		
	Remote Music Sources (NAS) DI NA/UPnP Music Servers	² andura nt@rticontrol.com	Spotify rticorp	SiriusXM ellsworth77@gmail.com
DLNA / UPnP Server Browsing		X ^{ials invalid)}		
Remote Music Libraries (via DLNA or UPnP Servers) Custom Path Name Neal's Music DLNA / UPnP		achine zontroi.com (1	B B C S BBC Sounds Net Configured	Qobuz Not Configured
		_		Ann Version 22450
Movies Video Distures Images Distor Disto lest for	nd			App version: 22.4.5.0
wovies, video, rictures, images, riotos, rioto, iost+iou	inu			
Cancel	ОК			

Important Note: Ensure only music files are stored in your music folder. Non-music files, e.g., video files or images, will affect performance.

×

Method 2: Manually Adding a NAS Drive

A NAS (Network Attached Storage) is a convenient way to access local music through the MS-1 / MS-3 Music Streamer. You can browse and search music on a NAS drive just like with any music streaming service.

- 1. Select "Manage" then select "Remote Music Sources (NAS)"
- 2. Click "Add" to open the "Remote Machine" window



3. Enter the required information

Mount Name: Choose any name. A single word makes the process simpler.

Machine IP Address: IP address of the NAS unit Example: 192.168.1.100

Share Name: The root directory where the music files are stored.

Example: If the music is in the subdirectory [Music\iTunes\iTunesMedia] the Share Name for the RTI MS-1 / MS-3 is Music since this is the root directory. The directory name is case sensitive. Make sure to enter the name in the exact way as the directory is named on the NAS drive.

Mount Name			Kind	
Music			SMB	~
Machine IP Address	Share Name			
	Music			
Username	Password			
Options				
nounix,noserverino,se	c=ntlmssp,vers=1.0			
Version 1.0	Version 2.0	Version 3.0		
	1			

Username & Password: Credentials are required to enable the MS-1 / MS-3 to access music on the NAS drive. Username and password cannot have any space or special characters such as []; : "<>* + = $\setminus / |$?,

SMB Version: Depending on how old the NAS device and its software is you might need to change the SMB version from 1.0 to 2.0 or 3.0 if the credentials are not being accepted.

After entering the requested information, connect the MS-1 / MS-3 to the correct directory on the NAS drive.

- 4. Select "Manage" then select "Media Server" then select "Media Locations"
- 5. Click "Add" to open the Browse Window





 Select the directory you added as Share Name in step 3 or a subdirectory if you don't want to access the entire music library with the MS-1 / MS-3 and press "Select"



- 7. Your music directory now shows in the Media Locations window.
- 8. The link to the folder will not be established until you confirm with "Apply".
- 9. Make sure "Rescan Library (Full)" is checked
- 10. Click "Apply" to complete the process.

87				
older		Online	Available	Status
remotemachines/Music/	TEST	No	No	
L				
] Rescan Library (Full) Refresh	Add	Edit		Delete

Close the Media Locations window. The MS-1 / MS-3 Music Streamer is now scanning the music library.

This can take some time depending on how large the music library is. However, your RTI Music Streamer is now ready to play music. If it is still scanning the music library, you'll see more folders and songs appearing on your RTI control device, Smartphone, or Tablet.

Important Note: Ensure only music files are stored in your music folder. Non-music files, e.g., video files or images, will affect performance.