



Boundary Microphone

RM-TT

Reference Manual

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INTRODUCTION

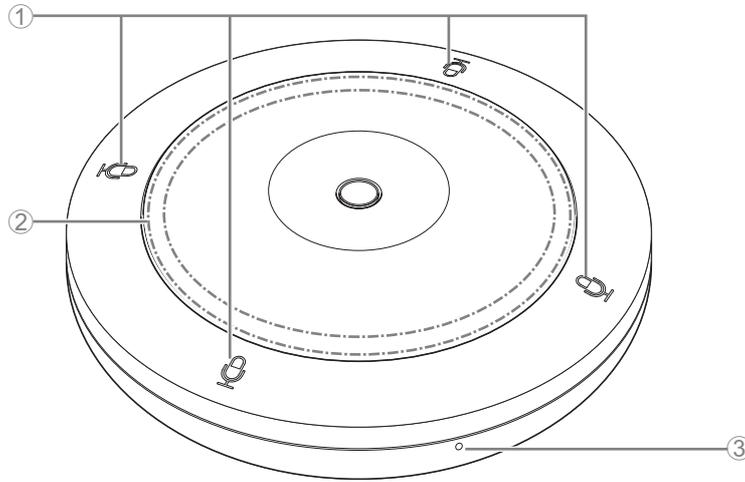
Thank you for purchasing the Yamaha RM-TT boundary microphone. This document provides detailed information on the product functions and specifications as well as the Web GUI. For correct and safe use of this product, be sure to first read this manual carefully together with the RM-TT Installation Manual (included with the product).

Information

- The illustrations and images shown in this manual are for instructional purposes only.
- The company names and product names in this manual are trademarks or registered trademarks of their respective companies.
- We are continuously improving the software for our products. The latest version can be downloaded from the Yamaha website.
- This document is based on the latest specifications at the time of publication. The latest version can be downloaded from the Yamaha website.
- Reproduction of this manual in whole or in part without permission is prohibited.

CONTROLS AND FUNCTIONS

Top panel/side panel



① (Mic) buttons/indicators

Condition	Mic indicator	Unit status
Mic button touched	Lit green	Microphone on
Mic button touched	Lit red (Flashes every 2 seconds)	Microphone off

② STATUS indicator

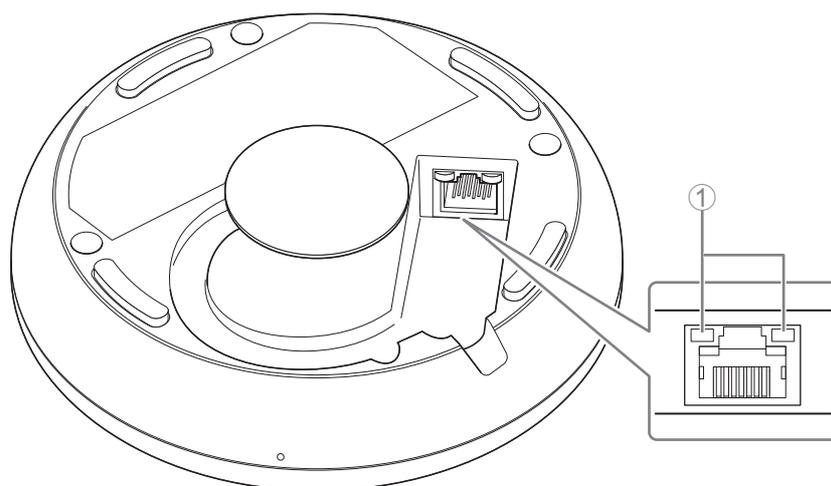
Condition	STATUS indicator	Unit status
Mic button touched	Lit green	Microphone on
Mic button touched	Lit red	Microphone off
LAN cable plugged into Dante/PoE port	Flashes green	Starting up
Identify button in Web GUI clicked	Flashes white	Responding (to Identify function)
Updating firmware	Flashes white quickly	Firmware being updated
Updating firmware	(After flashing white quickly) Flashes green quickly	Firmware updated successfully
–	Flashes red	Error occurring
–	Flashes red quickly	Severe error occurring

③ RESET button

Condition	STATUS indicator	Unit status
RESET button long-pressed for 4 seconds to less than 8 seconds, then released	Flashes blue twice per second (during long-pressing/resetting)	Network-related settings Waiting for resetting/Resetting
RESET button long-pressed for 8 seconds to less than 12 seconds, then released	Flashes blue three times per second (during long-pressing/resetting)	All settings Waiting for resetting/Resetting

NOTE: Use a fine-tipped object such as an ejector pin to press the RESET button.

Bottom panel



① Network port indicators (Dante/PoE port)

Network port indicator	Unit status
Left indicator lit green	Link up
Left indicator flashes green	Transferring data
Left indicator unlit	Link down
Right indicator lit green	Operating on word clock of peripheral device (master)
Right indicator flashes green	Acting as word-clock master
Right indicator flashes orange	Word clock unlocked

- NOTICE:**
- When disconnecting the LAN cable from the Dante/PoE port, wait at least five seconds before reconnecting the cable. Otherwise, damage or malfunctions may result.
 - With a Dante network, do not use the EEE function* of the network switch. Although mutual power consumption settings are automatically adjusted between switches that support the EEE function, some switches do not perform that properly. As a result, the switch's EEE function may be enabled inappropriately in the Dante network, possibly degrading clock synchronization performance and interrupting audio. Therefore, please note the following.
 - When using managed switches, turn off the EEE function on all ports used for Dante. Do not use a switch that does not allow the EEE function to be turned off.
 - When using unmanaged switches, do not use switches that support the EEE function. In such switches, the EEE function cannot be turned off.
- * EEE (Energy-Efficient Ethernet) function: Technology that reduces the power consumption of Ethernet devices during periods of low network traffic; also known as Green Ethernet or IEEE802.3az.

WEB GUI

The Web GUI “Peripheral Detail / RM-TT” can be used to check/change the settings of this unit.

IMPORTANT: The setup of the ADECIA tabletop solution must be completed in advance. For details, refer to the RM-CR Reference Manual.

Starting Peripheral Detail / RM-TT

1. Log in to the Web GUI “RM-CR Device Manager”.
2. Click [SETTINGS], and then click [Peripheral].
3. Check that the information for this unit appears in the [REGISTRATION SETTINGS] list, and then click its [VIEW] button below [Details].

Peripheral Detail / RM-TT starts up.

The screenshot shows the Yamaha RM-CR Device Manager Web GUI. The top navigation bar includes the Yamaha logo, the title "RM-CR Device Manager", and a "LOGOUT" button. Below the navigation bar is a "SETTINGS" menu with icons for Home, Settings, Audio, and a close button. The main content area is titled "Peripheral" and includes a "Configure peripheral settings" section. Under "DEVICE SETTINGS", there are two checked options: "Enable Peripheral controls" and "Enable automatic Dante patch". The "REGISTRATION SETTINGS" section is marked as "ENABLED" and displays the following information: Hostname: Y001-Yamaha-RM-CR-202813, MAC Address: AC:44:F2:20:28:13, and Device Network IP Address: 10.130.63.28. Below this is a "SEARCH" button. A table lists registered devices with columns for Hostname, Model, IP Address, Status, Registration, and Details. The first row is highlighted, and the "VIEW" button in the Details column is circled in red. The "SPEAKER POSITIONING SETTINGS" section is partially visible at the bottom.

Hostname	Model	IP Address	Status	Registration	Details
Y001-Yamaha-RM-TT-000102	RM-TT	10.130.63.23	connected	REMOVE	VIEW
Y065	VXL1-16P	10.130.63.34	connected	REMOVE	
Y066	VXL1-16P	10.130.63.46	connected	REMOVE	

Functions of Peripheral Detail / RM-TT

The following icons/buttons are used in Peripheral Detail / RM-TT.



(Information icon): Move the pointer over this icon to see more information about the item.



(Identify button): Click to cause the indicator of the corresponding device to flash.

IMPORTANT: Be sure to click the [SUBMIT] button after changing settings in Peripheral Detail / RM-TT. The [SUBMIT] button always appears in the upper-right corner of the window.

YAMAHA Peripheral Detail / RM-TT

Y001-Yamaha-RM-TT-000102

View the status and configuration settings. You can make any required changes.

SYSTEM STATUS

Hostname:	Y001-Yamaha-RM-TT-000102
Model:	RM-TT
MAC Address:	AC:44:F2:00:01:02
IP Address:	10.130.63.63
Main Version:	V1.1.0
Serial Number:	S7M001001

LED INDICATION STATUS

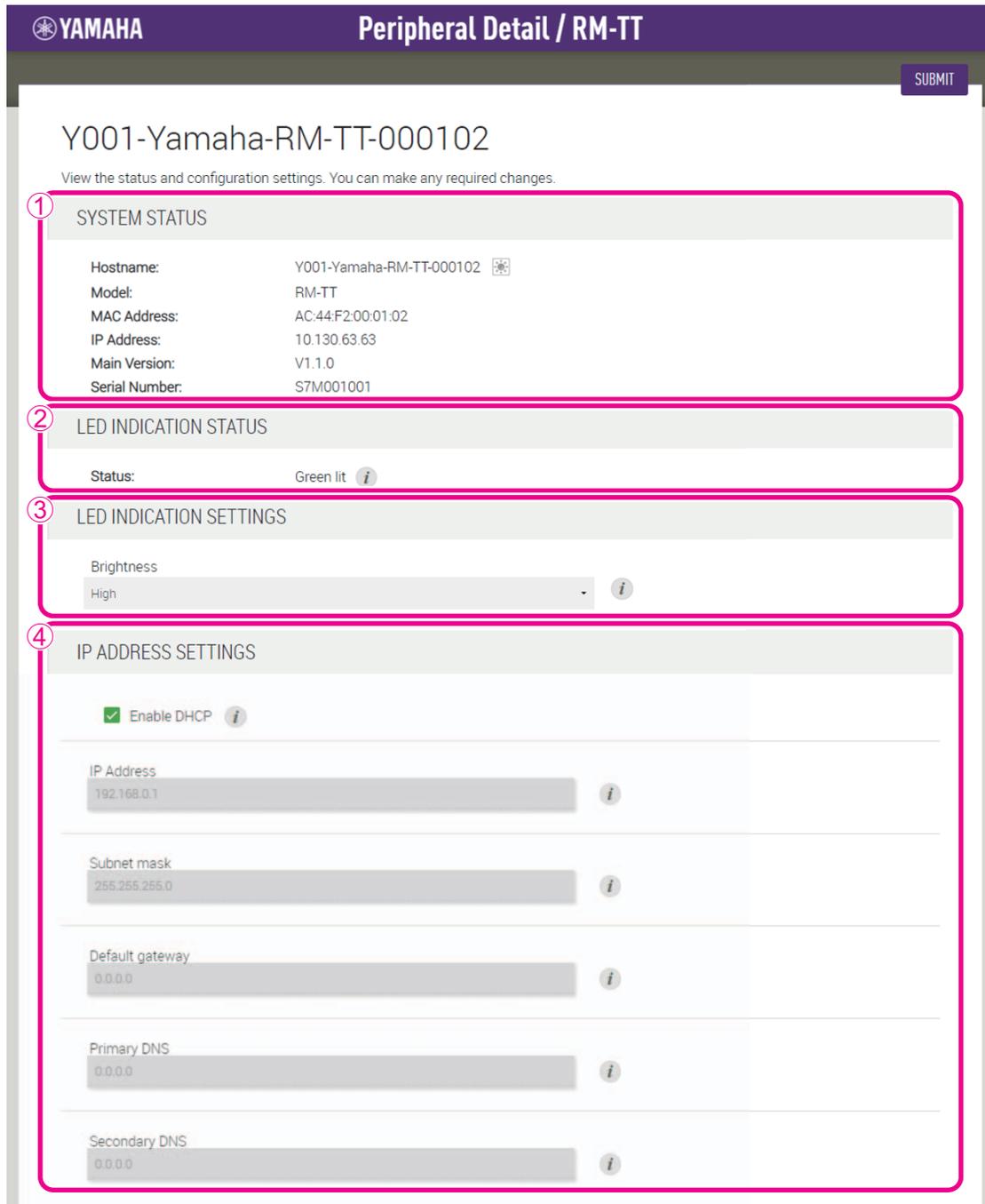
Status: Green lit

LED INDICATION SETTINGS

Brightness: High

IP ADDRESS SETTINGS

SUBMIT



① **[SYSTEM STATUS]**

Allows you to check basic information on this unit.

② **[LED INDICATION STATUS]**

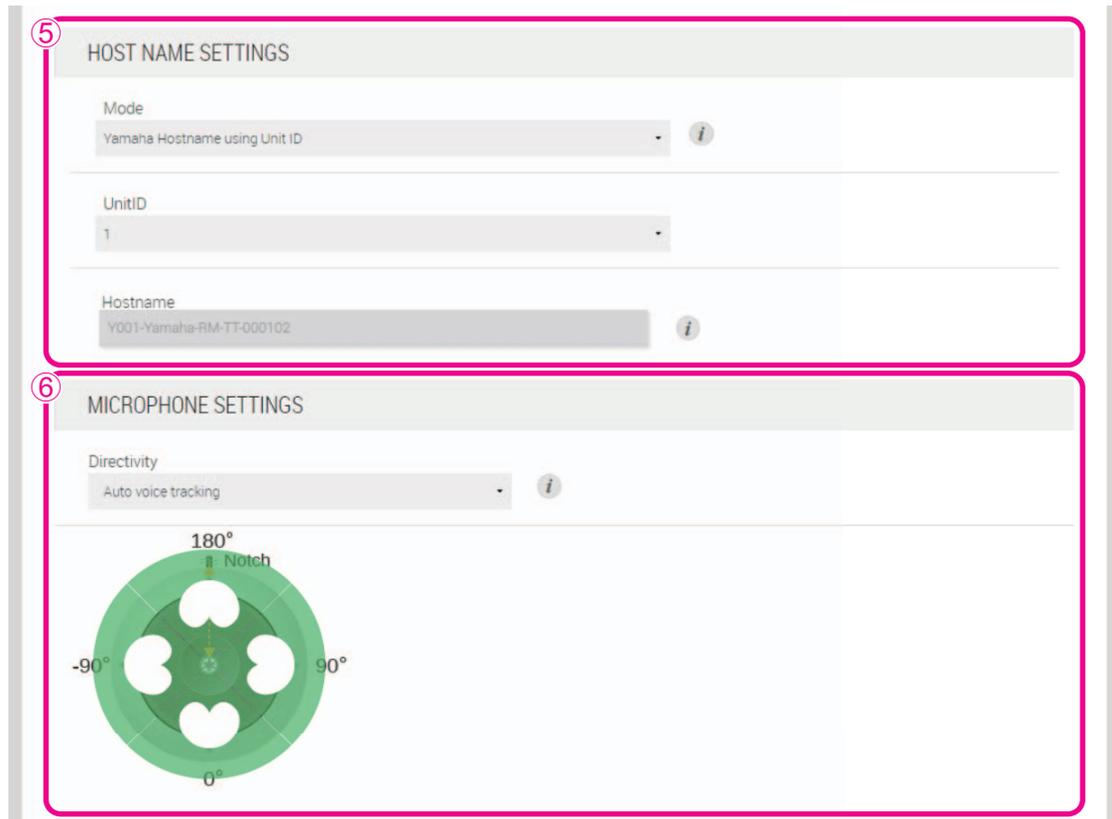
Allows you to check the status of the indicators.

③ **[LED INDICATION SETTINGS]**

Allows you to check/adjust the brightness of the indicators.

④ **[IP ADDRESS SETTINGS]**

Allows you to select whether to use DHCP.



⑤ [HOST NAME SETTINGS]

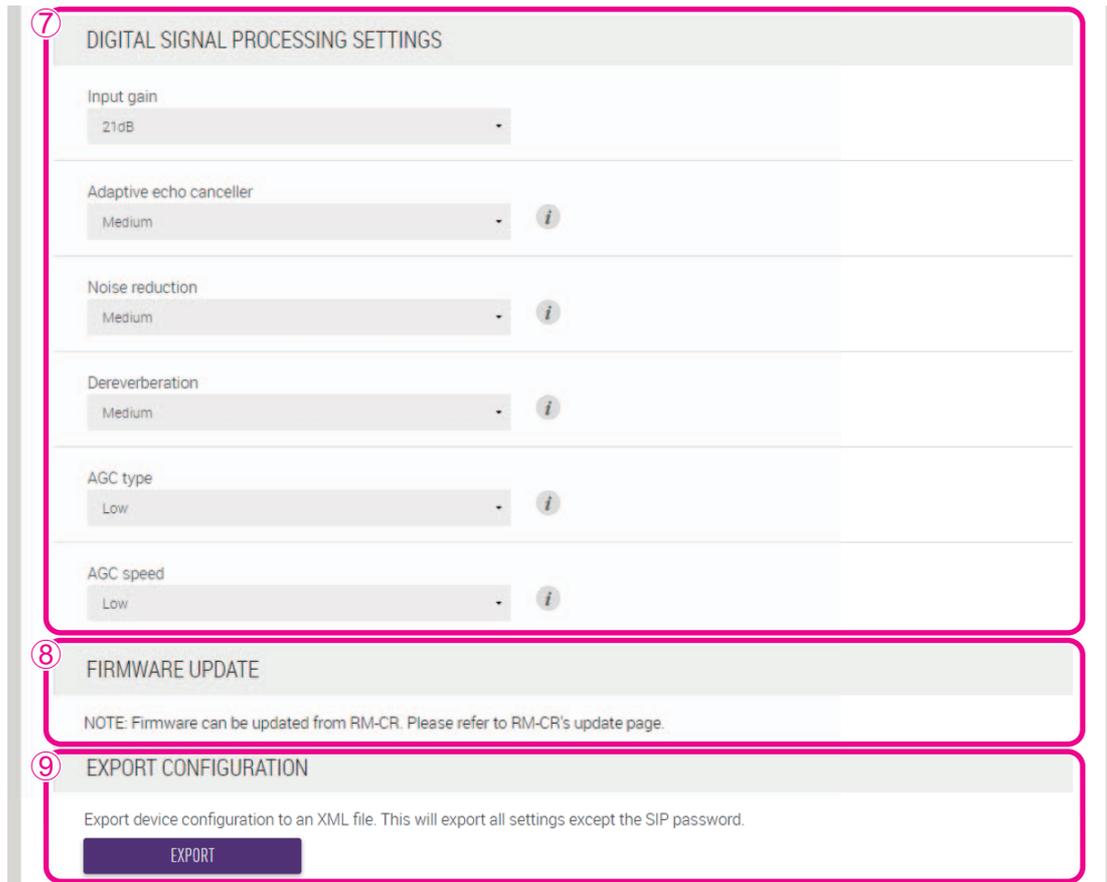
Allows you to select whether to specify the hostname of this unit automatically or manually.

⑥ [MICROPHONE SETTINGS]

Allows you to set the directivity of the microphone to one of the following.

- Auto voice tracking
- Cardioid
- Hypercardioid
- Supercardioid
- Omnidirectional
- Bidirectional
- Toroid

NOTE: When the directivity of the microphone is set to cardioid, hypercardioid or supercardioid, you can check/change auto mix settings.



⑦ [DIGITAL SIGNAL PROCESSING SETTINGS]

Allows you to check/change settings for the following.

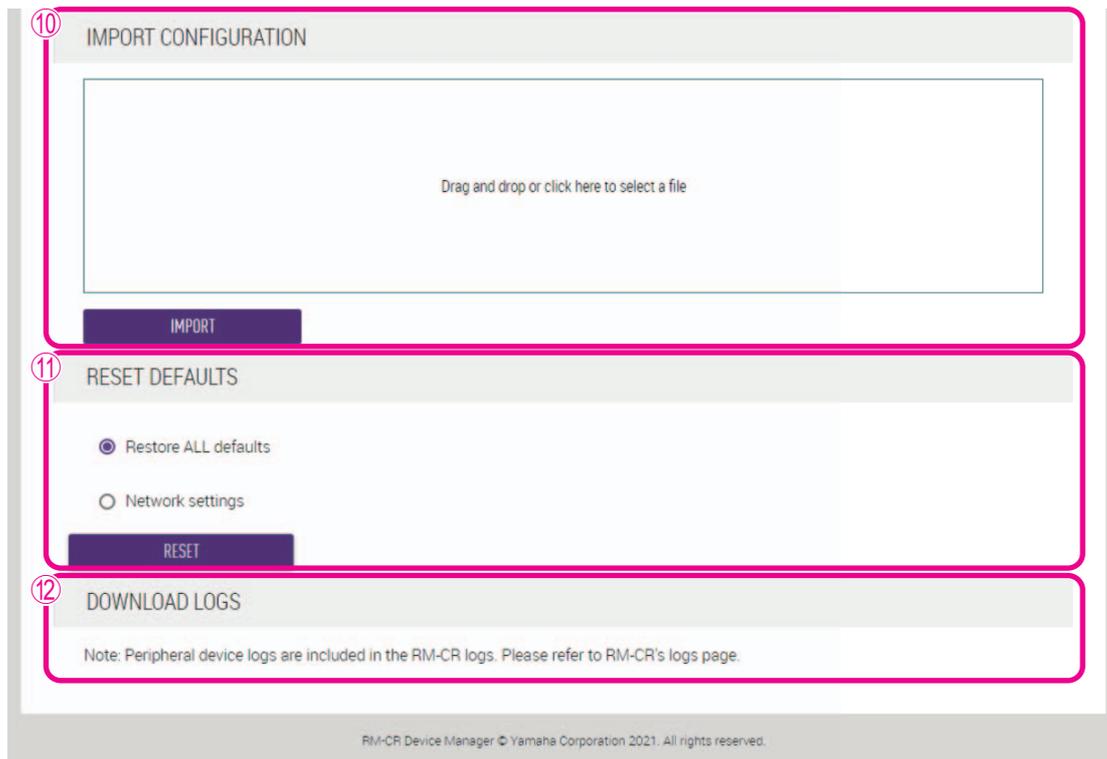
- Input gain
- Adaptive echo canceller
- Noise reduction
- Dereverberation
- Auto gain control (type and speed)

⑧ [FIRMWARE UPDATE]

Allows you to update the firmware from the [Update] window of RM-CR Device Manager. For details, refer to the RM-CR Reference Manual.

⑨ [EXPORT CONFIGURATION]

Allows you to export the settings of this unit by clicking the [EXPORT] button.



⑩ [IMPORT CONFIGURATION]

Allows you to import settings into this unit by dragging and dropping the settings file into the box, then clicking the [IMPORT] button.

NOTE: Create the settings file to be imported by editing the one exported in ⑨.

⑪ [RESET DEFAULTS]

Allows you to reset the settings of this unit by clicking the [RESET] button.

IMPORTANT: Be sure to check what is to be reset before doing it.

⑫ [DOWNLOAD LOGS]

Allows you to update the download log from the [Logs] window of RM-CR Device Manager. For details, refer to the RM-CR Reference Manual.