



VIDEO CONFERENCE SYSTEM CS-800 CS-500

Yamaha CS Manager Operation Guide

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About Yamaha CS Manager

Yamaha CS Manager is application software for specifying detailed settings for CS-800 and CS-500 devices.

Operating conditions for Yamaha CS Manager

Yamaha CS Manager can be used if the following conditions are met.

- Yamaha CS Manager is installed on the computer.
- The above-mentioned computer and the device are connected with a USB cable.

For detailed procedures on connecting and setting up this device, refer to the User Guide for the corresponding product.

What can be done with Yamaha CS Manager



- ✓ **Checking status information (Page 8)**



- ✓ **Admin settings (Page 10)**
- ✓ **Audio settings (Page 12)**
- ✓ **Bluetooth settings (Page 14)**
- ✓ **Camera settings (Page 17)**
- ✓ **Smart framing settings (Page 19)**
- ✓ **Display settings (Page 20)**
- ✓ **Network settings (Page 21)**



- ✓ **Time settings (Page 26)**
- ✓ **Updating the firmware (Page 27)**
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- ✓ **Restoring default network settings (Configuration: Page 29)**
- ✓ **Restoring factory default settings/restarting the device (Configuration: Page 29)**
- ✓ **Downloading log information (Logs: Page 30)**

Notations in this manual

This manual explains how to use Yamaha CS Manager.

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- The illustrations and screens in this User Guide are for instructional purposes only.
- The operation and screen examples provided in this User Guide are based on Windows 10.

Recommended environment

The recommended operating environment for Yamaha CS Manager is as follows.

Supported operating systems: Windows, macOS

* For compatible operating system versions, refer to the Yamaha website.

Installing

In order to use Yamaha CS Manager, the application file must be downloaded.

1. Download the latest application file from the Yamaha website.

▼ CS-800 Product site

<https://www.yamaha.com/2/cs-800/>

▼ CS-500 Product site

<https://www.yamaha.com/2/cs-500/>

2. Extract the compressed file, and then open the application file.

For Windows

Extract the ZIP file to any location. Double-click “CSManager.exe” in the folder to start.

For Mac

Extract the DMG file to any location. Double-click “CSManager” in the folder to start.

NOTE

If the Yamaha CS Manager login window does not appear, even after opening the application file, check that the computer and CS-800/CS-500 are connected with a USB cable.

Operating procedures

Specifying a password/Logging in

In order use Yamaha CS Manager, you must log in. When the application starts, the login window appears.

■ For the first time: Specifying the password

It is necessary to specify a password at the first startup. Specify any password.

Initial Password Setting

Yamaha CS Manager

YAMAHA

Yamaha CS Manager

Please set an initial password.

Password:

Confirm password:

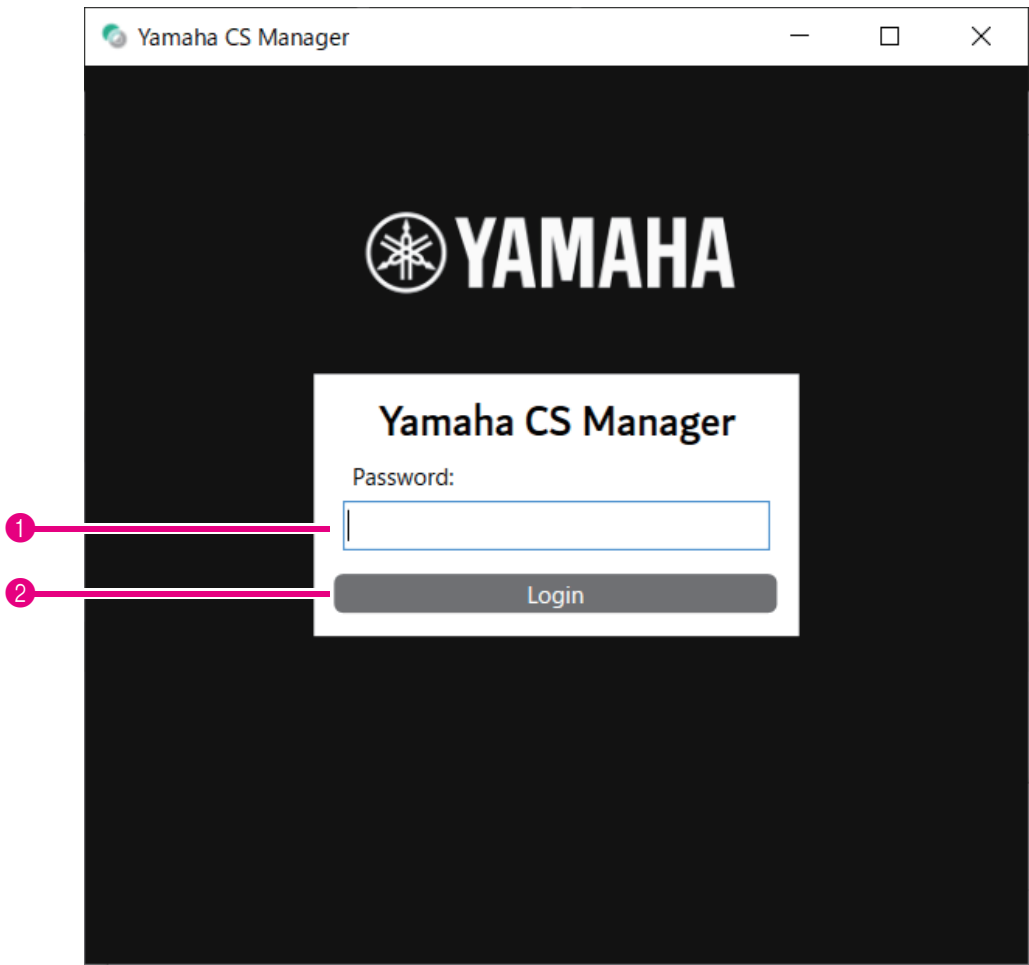
Submit

Item	Description
① Password:	Type in a password to be specified as the login password for Yamaha CS Manager. (4 to 16 alphanumeric characters)
② Confirm Password:	Re-enter the password typed above.
③ Submit	Click to apply the password.

■ Logging in

When Yamaha CS Manager is started after the password has been specified, the login window appears. Type in the specified password to log in.

Login



Item	Description
1 Password:	Type in the specified password.
2 Login	Click to apply the password.

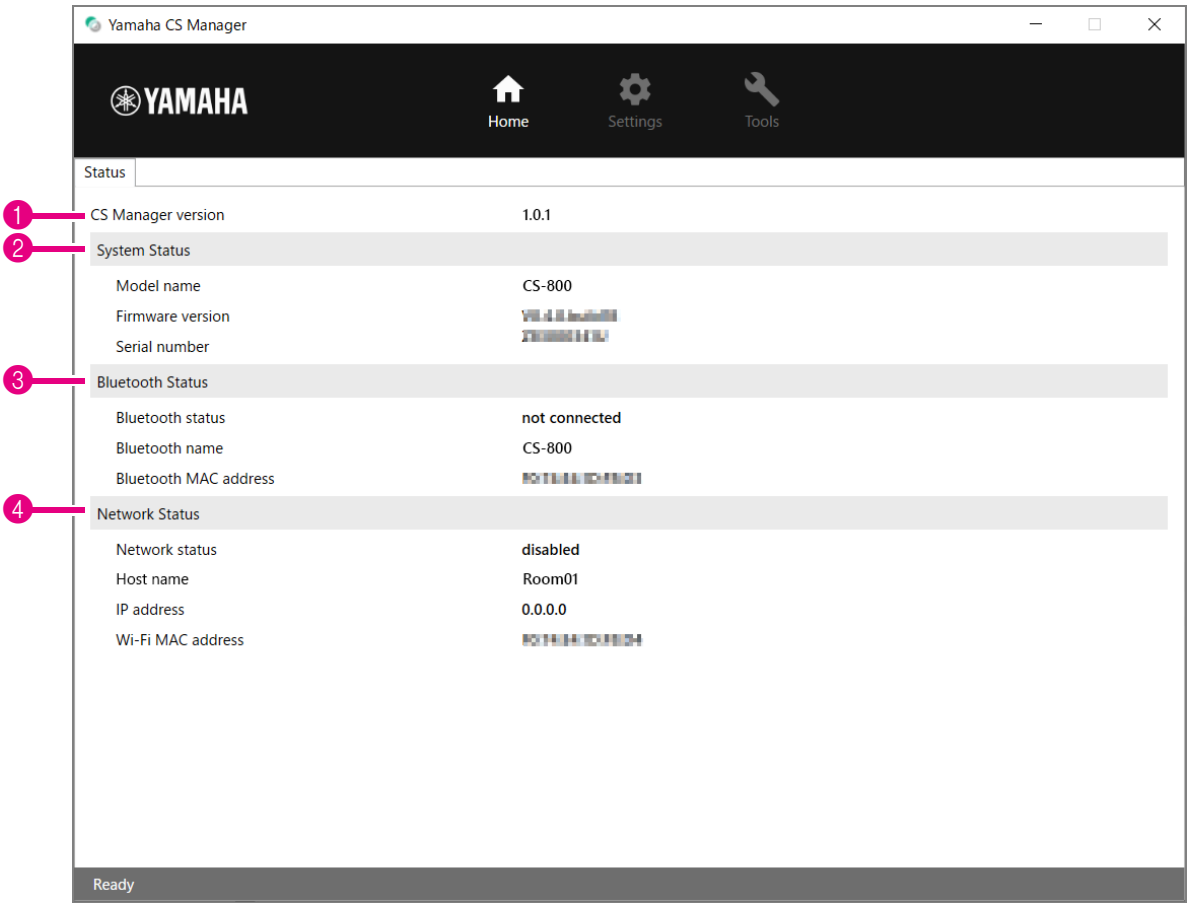
NOTE

If the specified password has been forgotten, the device must be returned to its factory default settings. For details on initializing the device, refer to the User Guide for the corresponding product.

Home (status information)

After logging in to Yamaha CS Manager, status information appears in the [Home] screen.

[Home] menu > [Status] screen



1 Version

Item	Description
CS Manager version	Displays the version of Yamaha CS Manager.

2 System Status

Item	Description
Model name	Displays the model name.
Firmware version	Displays the device firmware version.
Serial number	Displays the serial number of the device.

3 Bluetooth Status

Item	Description
Bluetooth status	Displays the Bluetooth connection status. <ul style="list-style-type: none"> • disable Bluetooth is deactivated. • not connected There is no Bluetooth connection. • connected to XXXX Displays the name of the device currently connected to this device via Bluetooth.
Bluetooth name	Displays the name of this device when it is connecting via Bluetooth. If a device name has been specified in the [Bluetooth] screen, the specified device name will be displayed.
Bluetooth MAC address	Displays the Bluetooth MAC address.

4 Network Status

Item	Description
Network status	Displays the network (Wi-Fi) connection status. <ul style="list-style-type: none"> • disabled Wi-Fi is deactivated. • not connected There is no Wi-Fi connection. • connected to <SSID> Displays the SSID name of the Wi-Fi network that the device is currently connected to. (Example: "connected to yamaha_wifi")
Host name	Displays the host name specified in the [Network] screen.
IP address	Displays the IP address of this device.
Wi-Fi MAC address	Displays the MAC address of this device.

Related links

- Updating the firmware (Page 27)
- Bluetooth settings (Page 14)
- Network settings (Page 21)

Admin settings

In the [Admin] screen, various system settings, such as the connection mode, password settings and power management settings, can be specified.

[Settings] menu > [Admin] screen

1 Security Settings

Item	Description
New password	Type in a password to be specified as the login password for Yamaha CS Manager. (4 to 16 alphanumeric characters)
Confirm new password	Re-enter the password typed above.

* The password will not be updated if the [Submit] button is clicked while either the [New password] or [Confirm new password] box is left blank.

2 Power Settings

Item	Description
Enable auto wake up	Allows you to select whether to activate/deactivate the automatic display power-on function (auto wakeup), which operates by detecting persons. When the device is in power-saving standby as a result of [Enable power saving mode] being activated, auto wakeup will not operate.
Auto monitor off time	Allows you to specify (by using the slider) the length of time until the monitor turns off. (Units: Minutes) When the monitor is off, it turns on by any of the following operations. <ul style="list-style-type: none"> • The device detects a person. (Auto wakeup) • The device and TV are connected with an HDMI cable. • A call is received or made via Bluetooth. Alternatively, music is played back. • The device and computer are connected with a USB cable.

Item	Description
Enable power saving mode	<p>Allows you to select whether to activate/deactivate the power saving mode. Only when this is activated, a setting can be specified for the following.</p> <ul style="list-style-type: none"> • [Power saving timeout] Allows you to specify (by using the slider) the length of time until the device enters power-saving standby after the monitor turns off. (Units: Minutes) <p>When the device is in power-saving standby, it turns on by any of the following operations.</p> <ul style="list-style-type: none"> • The power supply button on the remote control is pressed. • The device and computer are connected with a USB cable. • The device and TV are connected with an HDMI cable.

3 Submit

Item	Description
Submit	Click to apply all settings specified in the [Admin] screen.

Audio settings

In the [Audio] screen, microphone and speaker settings can be specified.

[Settings] menu > [Audio] screen

1 General Settings (Appears only when CS-500 is connected)

Item	Description
Enable USB audio	Allows you to select whether to activate/deactivate USB audio. Activate this when connecting USB audio.

2 Microphone Settings

Item	Description
Enable high pass filter	Allows you to select whether to activate/deactivate the high pass filter for the microphone. Only when this is activated, the microphone equalizer can be selected. [200 Hz/315 Hz/500 Hz]
Enable Face Focus Beamforming	Allows you to select whether to activate/deactivate the function that detects the position of the participant by using the camera image and reduces noise other than the participant's voice. When activated <ul style="list-style-type: none"> In order to detect participants, remove the lens cap. The target area can be specified under “2 Meeting Area Settings” in the [Smart Framing] screen. (Page 19)
Enable Self-Silence	Allows you to select whether to activate/deactivate the function that automatically differentiates noise and human voices and reduces noise other than human voices.
Echo suppression (Appears only when CS-500 is connected)	Allows you to select the strength of the echo canceller. [Auto/Strong] When [Enable 3.5mm analog audio connector] under “3 Speaker Settings” has been set to [Headphone out] (when using headphones or earphones), the echo canceller is deactivated.

3 Speaker Settings

Item	Description
Enable equalizer	Allows you to select whether to activate/deactivate the speaker equalizer. Only when this is activated, the speaker equalizer can be selected. [Bass boost/Treble boost]
Enable Self-Volume Balancer	Allows you to select whether to activate/deactivate the function that automatically adjusts the speaker volume.
Enable 3.5mm analog audio connector (Appears only when CS-500 is connected)	Allows you to select whether to activate/deactivate the analog audio jack. When connecting speakers, select [Speaker out]; when connecting headphones or earphones, select [Headphone out].

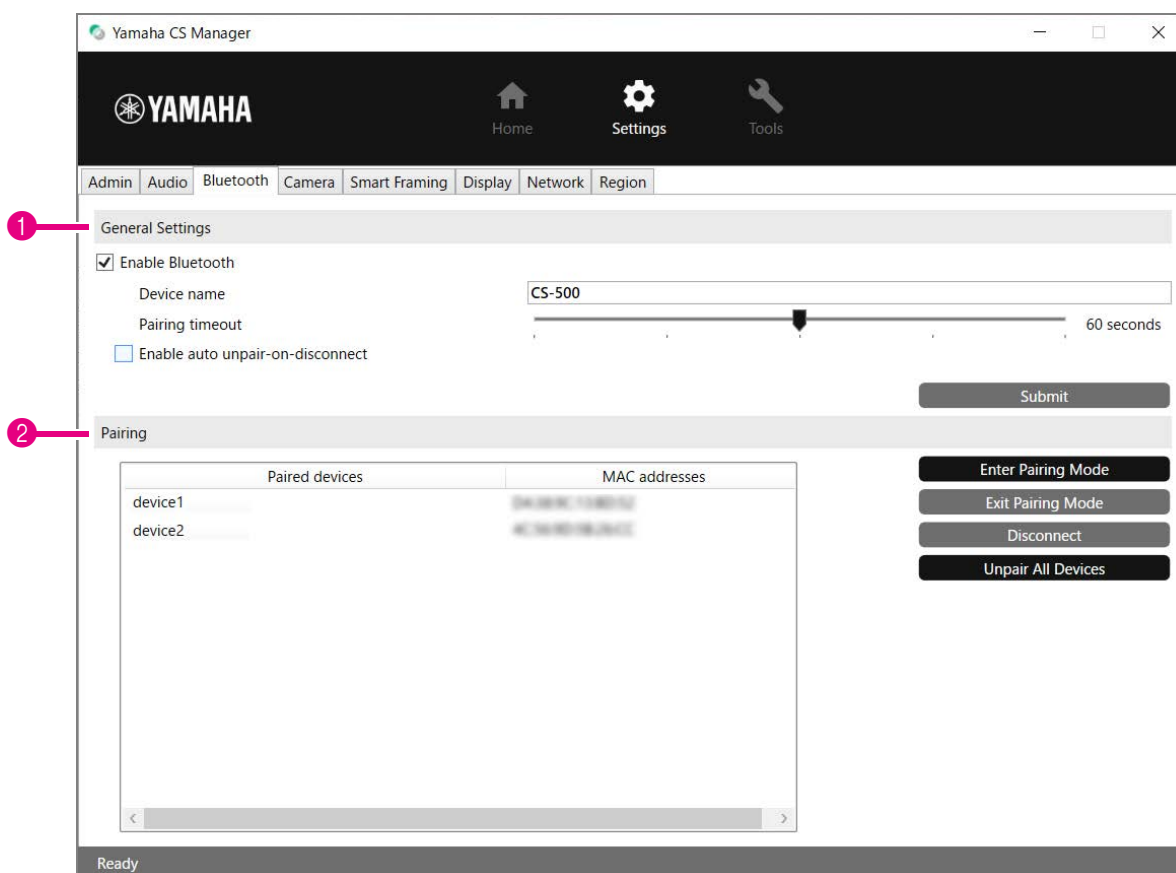
4 Submit

Item	Description
Submit	Click to apply all settings specified in the [Audio] screen.

Bluetooth settings

In the [Bluetooth] screen, Bluetooth settings can be specified and this device can be paired with a Bluetooth device.

[Settings] menu > [Bluetooth] screen



1 General Settings

Item	Description
Enable Bluetooth	<p>Allows you to select whether to activate/deactivate Bluetooth. Only when this is activated, settings can be specified for the following.</p> <ul style="list-style-type: none"> • [Device name] Allows you to change the name (of this device) that is displayed when this device is connected to a Bluetooth device. • [Pairing timeout] Allows you to specify (by using the slider) the length of time until pairing mode times out. (Units: Seconds) • [Enable auto unpair-on-disconnect] Allows you to select whether to erase the pairing information at the same time that a connection with the Bluetooth device is cut. In order to be able to connect automatically, deactivate this.
Submit	Click to apply the settings specified under [General Settings].

2 Pairing

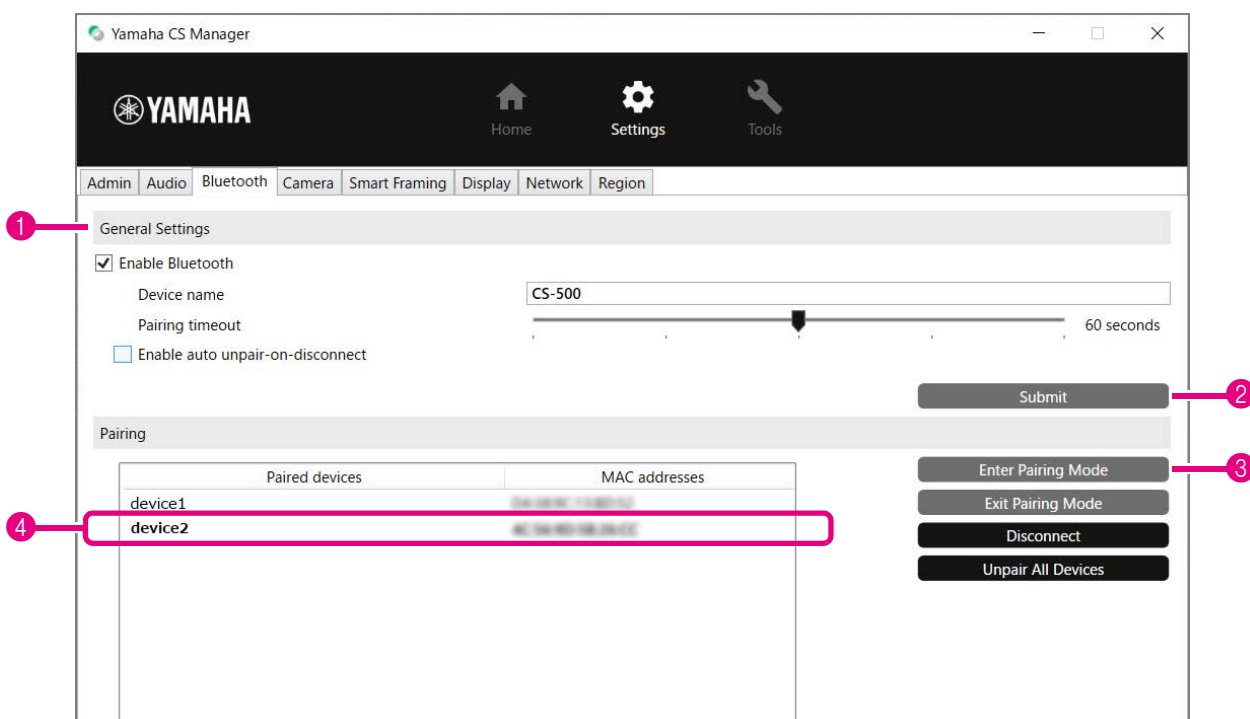
This appears when Bluetooth has been activated.

Item	Description
Paired devices	Displays the Bluetooth device name of the paired device. The name of the currently connected device appears in bold.
MAC addresses	Displays the MAC address of the paired Bluetooth device. The MAC address of the currently connected device appears in bold.
Enter Pairing Mode	Click to start pairing mode. For details, refer to “Making a Bluetooth connection by using Yamaha CS Manager” (page 16).
Exit Pairing Mode	Click to stop pairing mode.
Disconnect	Click to disconnect the device currently connected via Bluetooth.
Unpair All Devices	Click to erase all pairing information.

■ Making a Bluetooth connection by using Yamaha CS Manager

In order to be able to connect this device and a Bluetooth device, they first need to be paired. Follow the procedure below to pair and make a Bluetooth connection.

[Settings] menu > [Bluetooth] screen



1. Activate Bluetooth.

- ① Select the [Enable Bluetooth] check box.
- ② Click the [Submit] button to apply the setting.

Make sure that Bluetooth on the Bluetooth device has been turned on.

2. Start pairing.

- ③ Click the [Enter Paring Mode] button to start pairing mode.

If a device is already connected, the [Enter Paring Mode] button cannot be clicked. Click the [Disconnect] button to disconnect.

3. On the Bluetooth device, accept the pairing request.

The Bluetooth pairing PIN (numbers) appears in the screen of the Bluetooth device. Make sure that the numbers match those displayed in Yamaha CS Manager, and then accept on the Bluetooth device.

4. Confirm that pairing is finished.

- ④ Pairing is finished when the paired device is added under “Paired devices”

The Bluetooth connection is made at the same time as pairing. The name of the device currently connected via Bluetooth appears in bold.

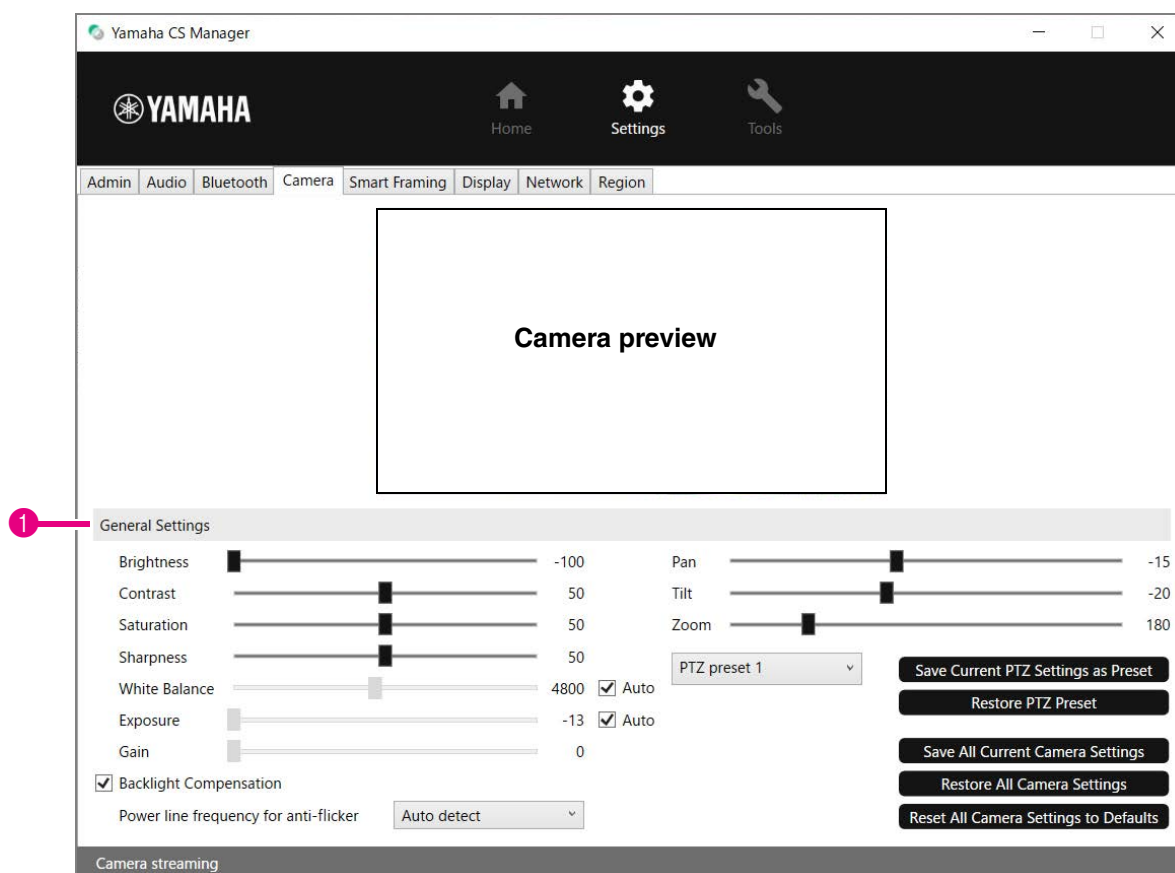
Related links

- Bluetooth settings (Page 14)

Camera settings

In the [Camera] screen, detailed settings for the camera built into this device can be specified.

[Settings] menu > [Camera] screen



1 General Settings

This allows you to adjust the camera settings. Setting adjustments made by using the slider, check box, etc., are applied in real time and reflected in the camera preview.

Item	Description
Brightness	Allows you to adjust (by using the slider) the brightness.
Contrast	Allows you to adjust (by using the slider) the contrast.
Saturation	Allows you to adjust (by using the slider) the saturation.
Sharpness	Allows you to adjust (by using the slider) the sharpness.
White Balance	Allows you to adjust (by using the slider) the white balance. To activate automatic adjustment, select the [Auto] check box.
Exposure	Allows you to adjust (by using the slider) the exposure. To activate automatic adjustment, select the [Auto] check box. Note that [Exposure] and [Gain] will no longer be adjustable.
Gain	Allows you to adjust (by using the slider) the gain.
Backlight Compensation	Allows you to select whether to activate/deactivate backlight correction.

Item	Description
Power line frequency for anti-flicker	Allows you to select the power line frequency in order to reduce flickering. If flickering cannot be reduced, even after selecting "Auto detect", select the frequency for your area. [Auto detect/50 Hz/60 Hz]
Pan	This can be specified only when [Zoom] is set to a value other than the default (100). Allows you to adjust (by using the slider) the horizontal camera orientation.
Tilt	This can be specified only when [Zoom] is set to a value other than the default (100). Allows you to adjust (by using the slider) the vertical camera orientation.
Zoom	Allows you to adjust (by using the slider) the zoom ratio.
PTZ preset 1 to 5	Allows you to specify a set of camera PTZ (pan, tilt and zoom) settings. (up to 5)
Save Current PTZ Settings as Preset	Select a preset name from [PTZ preset 1 to 5], and then click this button* to save the current combination of PTZ values under that name.
Restore PTZ Preset	Select a preset name from [PTZ preset 1 to 5], and then click this button* to recall the saved combination of PTZ values.
Save All Current Camera Settings	Click to save all camera settings, including the PTZ values.
Restore All Camera Settings	Click to recall the settings that were saved by clicking the [Save All Current Camera Settings] button.
Reset All Camera Settings to Defaults	Click to reset all camera settings, including the current PTZ values, to their defaults.

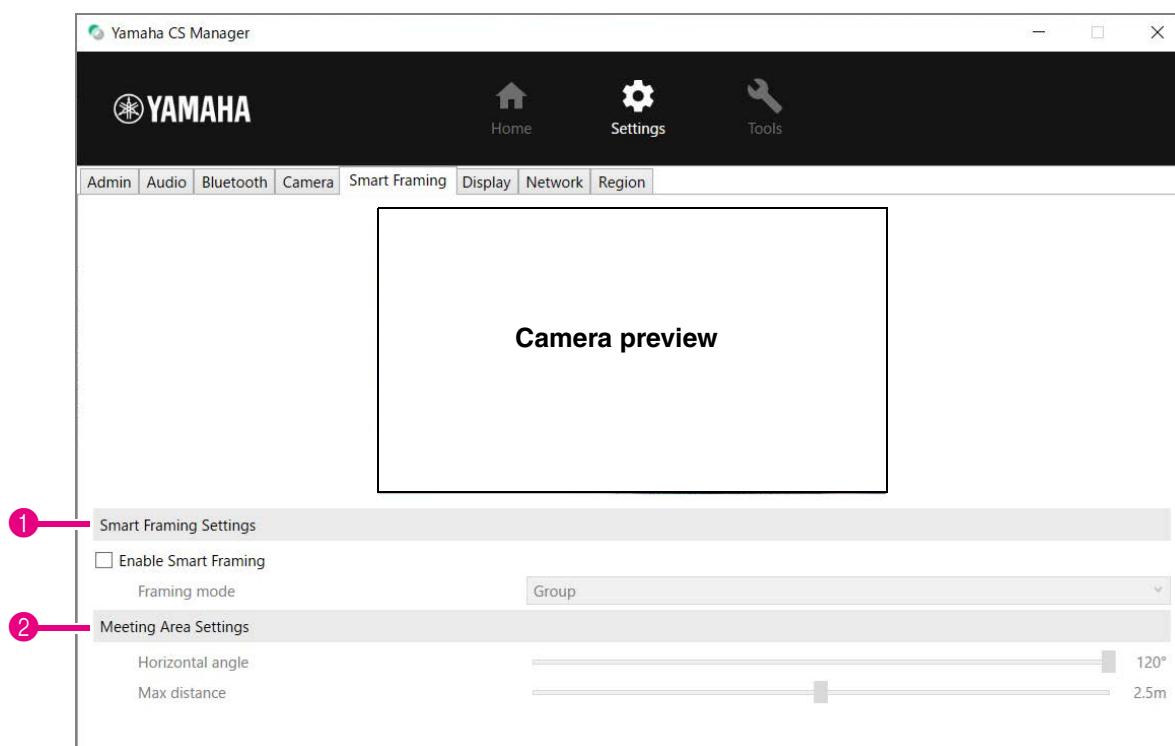
* If the buttons are not available, use one of the following methods to turn off smart framing.

- Clear the [Enable Smart Framing] check box in the [Smart Framing] screen. (Page 19)
- Press the Smart framing button on the remote control.

Smart framing settings

In the [Smart Framing] screen, the camera framing area for recognizing persons can be specified.

[Settings] menu > [Smart Framing] screen



1 Smart Framing Settings

Item	Description
Enable Smart Framing	Allows you to select whether to activate/deactivate Smart framing.
Framing mode	<p>This can be specified only when Smart framing is activated. Allows you to select the appropriate mode for following the subject according to the use.</p> <ul style="list-style-type: none"> • [Group]: Frames all persons in the group • [Speaker tracking]: Frames the person who is speaking • [Individual]: Frames a specific person

2 Meeting Area Settings

This allows you to specify the target area for Smart framing and face focus beamforming*.

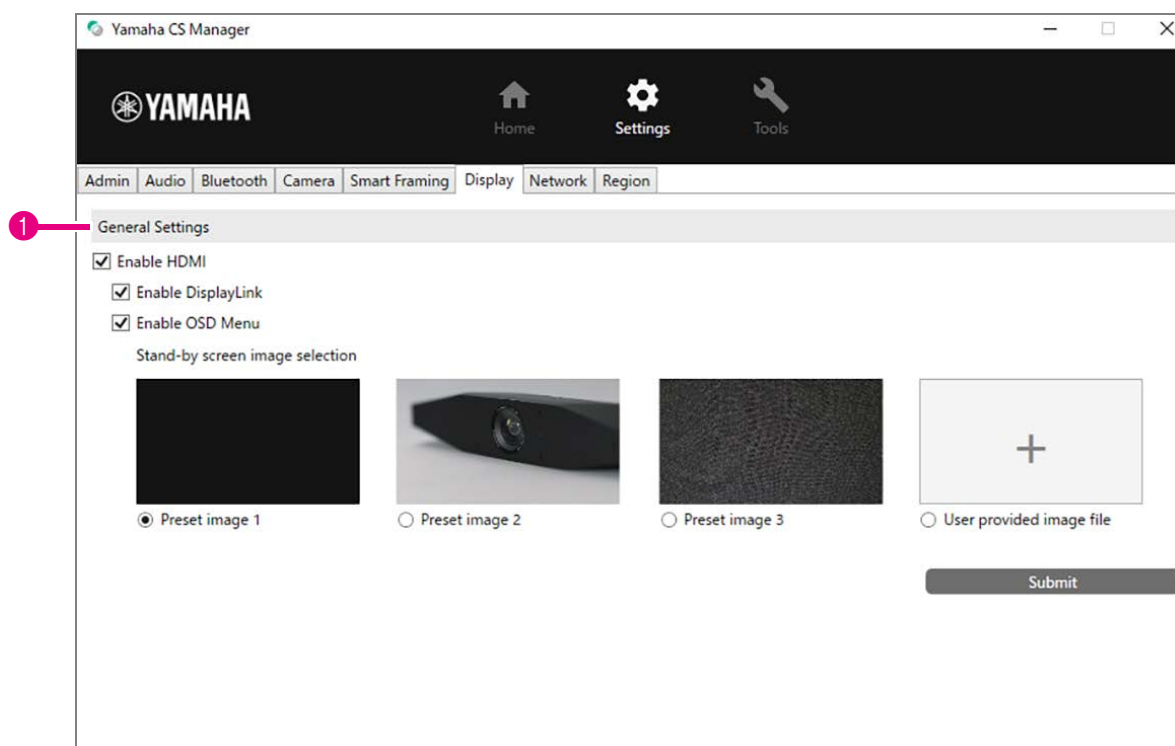
Item	Description
Horizontal angle	Allows you to specify (by using the slider) the target area in the horizontal direction. (20° to 110°)
Max distance	Allows you to specify (by using the slider) the target range in meters. (1 to 4.5 m; up to 3.0 m if face focus beamforming* is activated)

* Face focus beamforming: [Enable Face Focus Beamforming] in Audio settings (Page 12)

Display settings

In the [Display] screen, settings related to the connected TV screen can be specified.

[Settings] menu > [Display] screen



1 General Settings

Item	Description
Enable HDMI	Allows you to select whether to activate/deactivate HDMI.
Enable DisplayLink	This can be specified only when HDMI is activated. Allows you to select whether to activate/deactivate DisplayLink*.
Enable OSD Menu	Allows you to select whether to activate/deactivate OSD Menu.
Stand-by screen image selection	<p>This can be specified only when the [Enable HDMI] check box has been selected.</p> <p>Allows you to select the standby image displayed on the TV (connected to this device via HDMI) when this device is not connected to a computer.</p> <ul style="list-style-type: none"> • [User provided image file] To select a new image, browse to and upload it. (Extensions of uploadable files: JPG, JPEG, PNG; Match the resolution of the image to that of your TV.)
Submit	Click to apply the specified settings.

* DisplayLink

This function displays the computer screen on the TV when the computer and TV are connected to this device (using an HDMI cable for the TV and a USB cable for the computer).

Network settings

In the [Network] screen, settings for connecting this device to a Wi-Fi network can be specified.

The following operations are possible with a Wi-Fi connection.

- Setting the time on this device (Page 26)
- Batch-managing devices by using CS Remote Configurator (Refer to the CS Remote Configurator Operation Guide.)

[Settings] menu > [Network] screen

1 General Settings

Item	Description
Enable Wi-Fi	<p>Allows you to select whether to activate/deactivate Wi-Fi. Only when this is activated, settings can be specified for the following.</p> <ul style="list-style-type: none"> • Country code Allows you to select the country code (country name) for Wi-Fi. This can be selected only when the string for [Serial Number] in the [Home] screen (Page 8) ends in anything other than “J,” “U” or “A” * • Host name Specify a unique name for this device. This is used to identify the device. • Enable network auto-connect Allows you to select whether to activate/deactivate the function that automatically connects this device to a network that it was previously connected to.

* This product is designed for use in different countries/regions with different legal regulatory standards. Select the country code according to your country/region. In some countries/regions, this setting cannot be changed from the factory default.

2 IP Settings (IPv4)

Item	Description
Enable DHCP	<p>This can be specified only when the [Enable Wi-Fi] check box has been selected.</p> <p>Allows you to select whether to activate/deactivate DHCP.</p> <p>To assign a static IP address, clear the [Enable DHCP] check box, and then specify the static IP address with the following. (Enter using the "XXX.XXX.XXX.XXX" format.)</p> <ul style="list-style-type: none"> • IP address • Subnet mask • Default gateway • Primary DNS • Secondary DNS

	Item	Description
3	Submit	Click to apply the settings specified under "General Settings" and "IP Settings."

4 Network Status

Item	Description
Network status	<p>Displays the network (Wi-Fi) connection status.</p> <ul style="list-style-type: none"> • disabled Wi-Fi is deactivated. • not connected There is no Wi-Fi connection. • connected to <SSID> Displays the SSID name of the Wi-Fi network that the device is currently connected to.

	Item	Description
5	Connect to Network	Click to connect to the network. For detailed instructions, refer to "Making a Wi-Fi connection" (page 23).
6	Saved Networks	Click to display a list of known networks.
7	Install Certificate	Click to install a client certificate file.
8	Installed Credentials	Click to view or delete from the list of installed credentials (CA/user certificates).

■ Making a Wi-Fi connection

Wi-Fi settings can be specified in order to connect to a network.

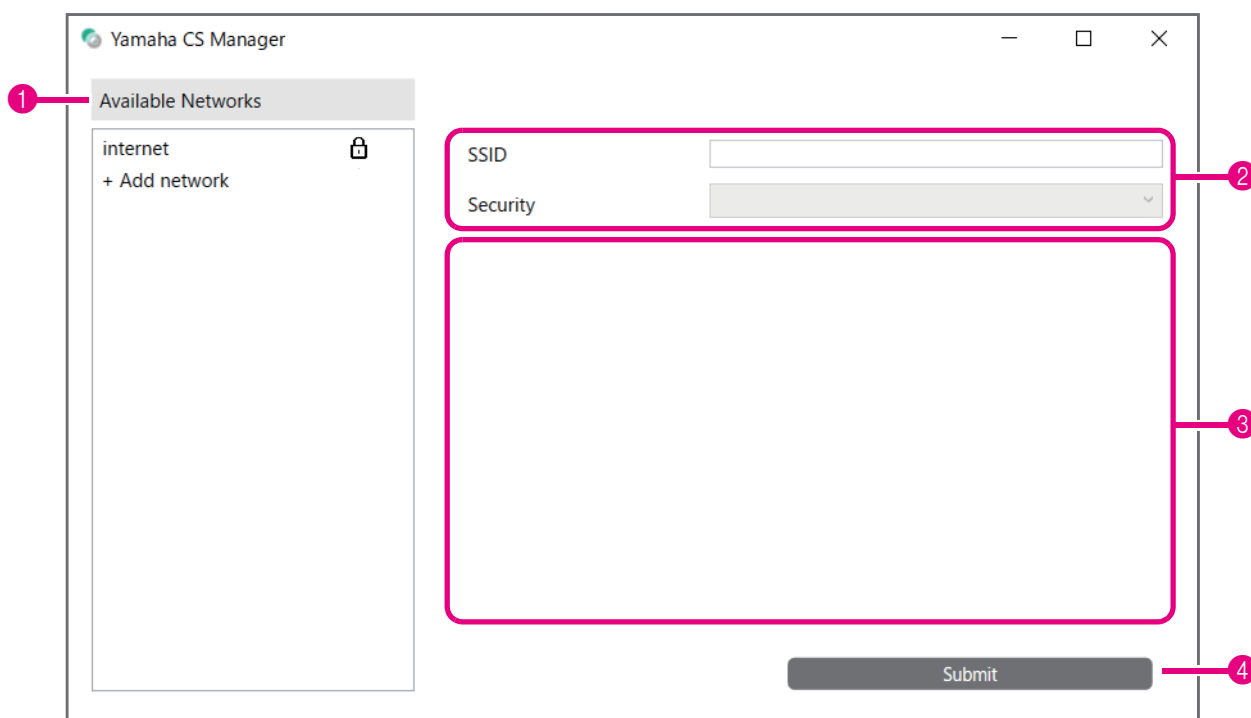
1. Select the [Enable Wi-Fi] check box in the [Network] screen to activate Wi-Fi. (Page 21)

Also specify settings for [Country code] and [Host name].

2. Click the [Connect to Network] button in the [Network] screen.

The [Connect to Network] pop-up screen appears.

[Settings] menu > [Network] screen > [Connect to Network] screen



3. From the list of access points (1), select the one to connect to.

1 Available Networks

Item	Description
Available Networks	<p>Displays a list (provided by the device) of connectable wireless access points. Encrypted connections have a lock icon to the right of their SSID name.</p> <p>If an encrypted connection is selected, the items that appear in 2 differ depending on the encryption method.</p> <ul style="list-style-type: none"> • [+ Add network] Selecting this allows you to manually specify all of the items below [SSID].

4. The SSID name and encryption method of the selected access point appear.

The items and screens that appear differ depending on the encryption method of the selected access point.

If [+ Add network] was selected in ❶, specify all settings manually.

❷ SSID name and encryption method

Item	Description
SSID	Displays the SSID name. (Maximum number of characters: 32)
Security	<p>The items that appear differ depending on the encryption method.</p> <p>1) With the following, there is no need to specify other settings. Continue with step 4.</p> <ul style="list-style-type: none"> • [None] • [Enhanced Open] <p>2) With the following, only [Password] appears in ❸. Type in the password. Then, continue with step 4.</p> <ul style="list-style-type: none"> • [WEP] • [WPA/WPA2-Personal] • [WPA3-Personal] <p>3) With the following, various items appear in ❸.</p> <ul style="list-style-type: none"> • [WPA/WPA2/WPA3-Enterprise]

❸ When [Security] is set to [WPA/WPA2/WPA3-Enterprise]

Item	Description
EAP method	<p>The items that appear differ depending on the selected encryption method.</p> <ul style="list-style-type: none"> • [PEAP] Phase 2 authentication, CA certificate, Identity, Anonymous identity, Password • [TLS] CA certificate, User certificate, Identity • [TTLS] Phase 2 authentication, CA certificate, Identity, Anonymous identity, Password • [PWD] Identity, Password
Phase 2 authentication	This can be specified only when [EAP method] is set to [PEAP/TTLS]. [None/PAP/MSCHAP/MSCHAPV2/GTC]
CA certificate	<p>Allows you to select a CA certificate.</p> <p>A credential that includes a CA certificate is added to those displayed in the [Installed credentials] screen (displayed from the [Network] screen).</p>
Domain	<p>Allows you to type in the domain name authenticated by the CA certificate.</p> <p>This can be specified only when [CA certificate] is set to [Use system certificates].</p>
User certificate	<p>Allows you to select a user certificate.</p> <p>A credential that includes a user certificate is added to those displayed in the [Installed credentials] screen (displayed from the [Network] screen).</p>

Item	Description
Identity	Allows you to type in the user ID.
Anonymous identity	Allows you to type in an anonymous user name.
Password	Allows you to type in the authentication password.

5. Click the [Submit] button to start the Wi-Fi connection.

	Item	Description
4	Submit	Click to start the Wi-Fi connection.

When “Connected to network” appears in the lower left of the screen, the connection to the network is established.

NOTE

Each time a setting is selected from a drop-down menu, the settings entered for other items return to their defaults.

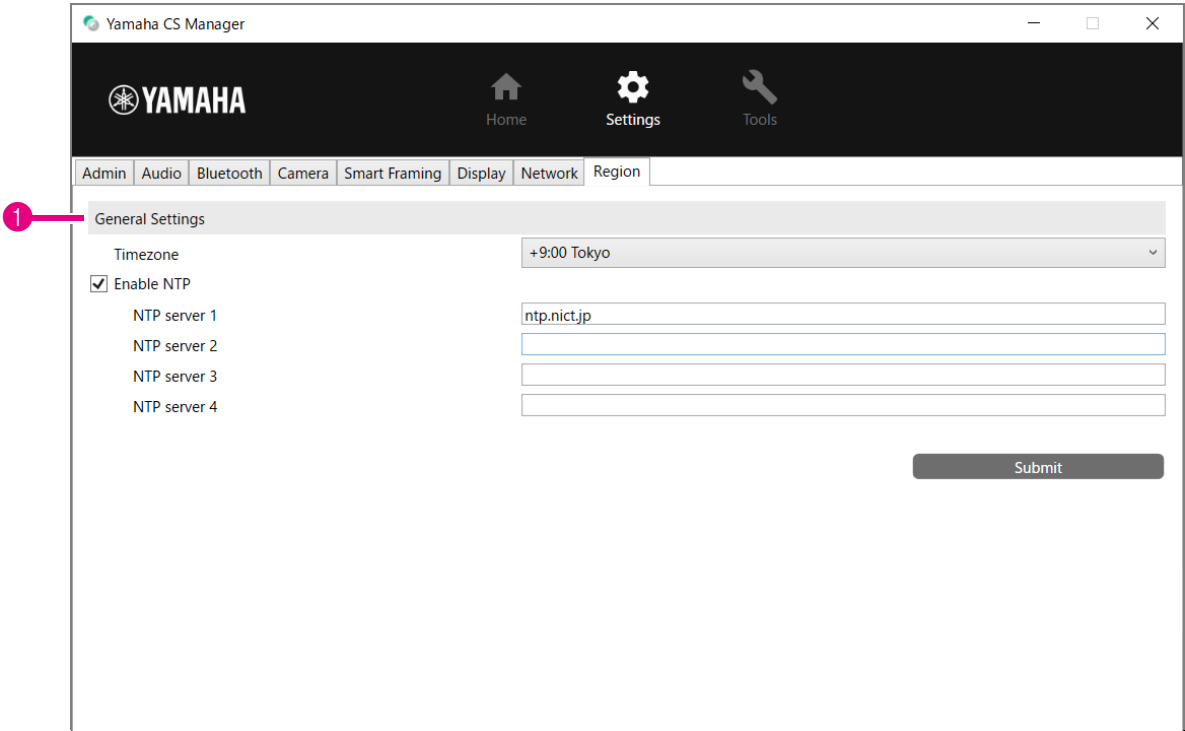
Time settings

In the [Region] screen, settings can be specified to automatically adjust the time on this device.

NOTE

In order to set the time, a Wi-Fi connection must be made by using the network settings. (Page 23)

[Settings] menu > [Region] screen



1 General Settings

Item	Description
Timezone	Allows you to select the time zone.
Enable NTP	Allows you to select whether to activate/deactivate NTP. When this is activated, the NTP server address can be specified. <ul style="list-style-type: none"> • [NTP server 1] • [NTP server 2] • [NTP server 3] • [NTP server 4]
Submit	Click to apply the settings specified under “General Settings”

Related links

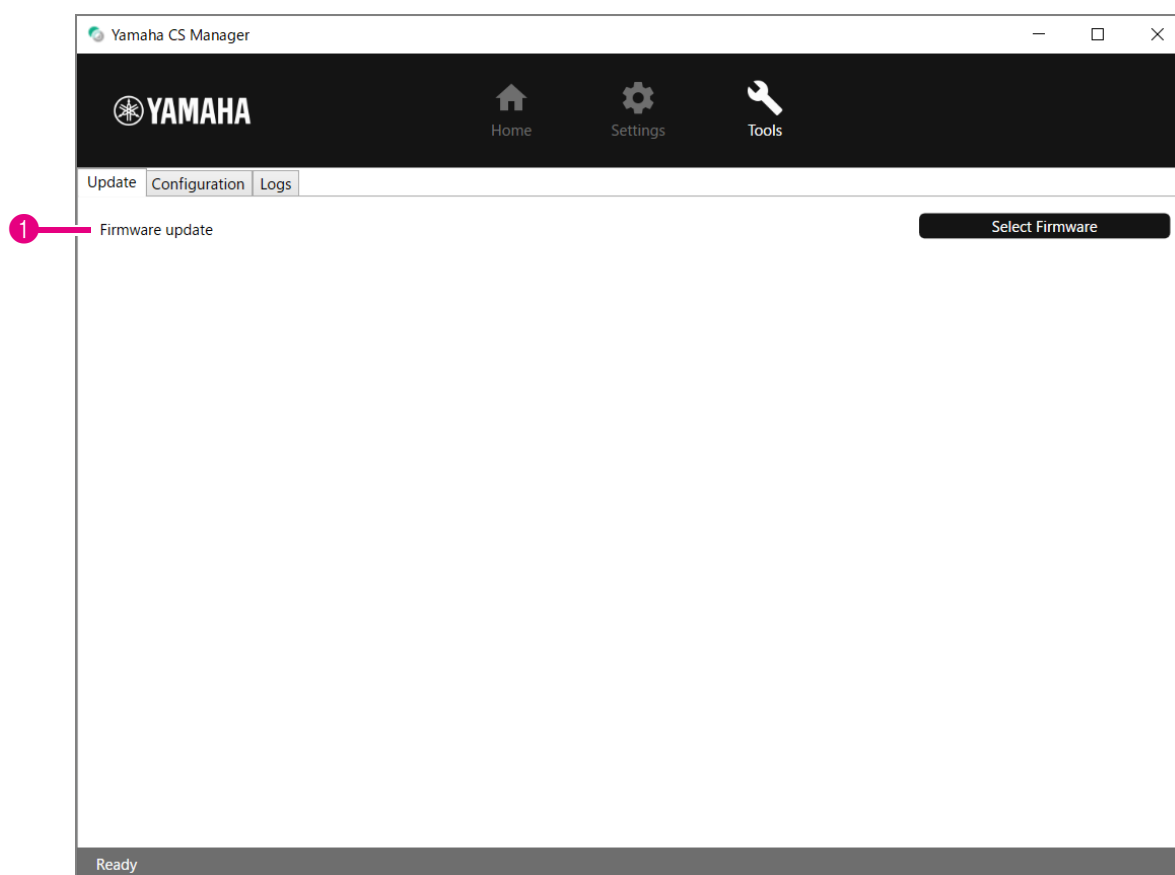
- Making a Wi-Fi connection (Page 23)

Updating the firmware

In the [Update] screen, the firmware can be updated.

This product is designed to allow the firmware of the device to be updated in order to improve operability, add functions and fix problems. We recommend updating the device firmware to the latest version.

[Tools] menu > [Update] screen



1 Firmware update

Item	Description
Select Firmware	Allows you to specify the firmware file and upload it. Extension of uploadable files: ".bundle"

NOTE

- The files for the latest firmware can be downloaded from the following website.

▼ CS-800 Product site

<https://www.yamaha.com/2/cs-800/>

▼ CS-500 Product site

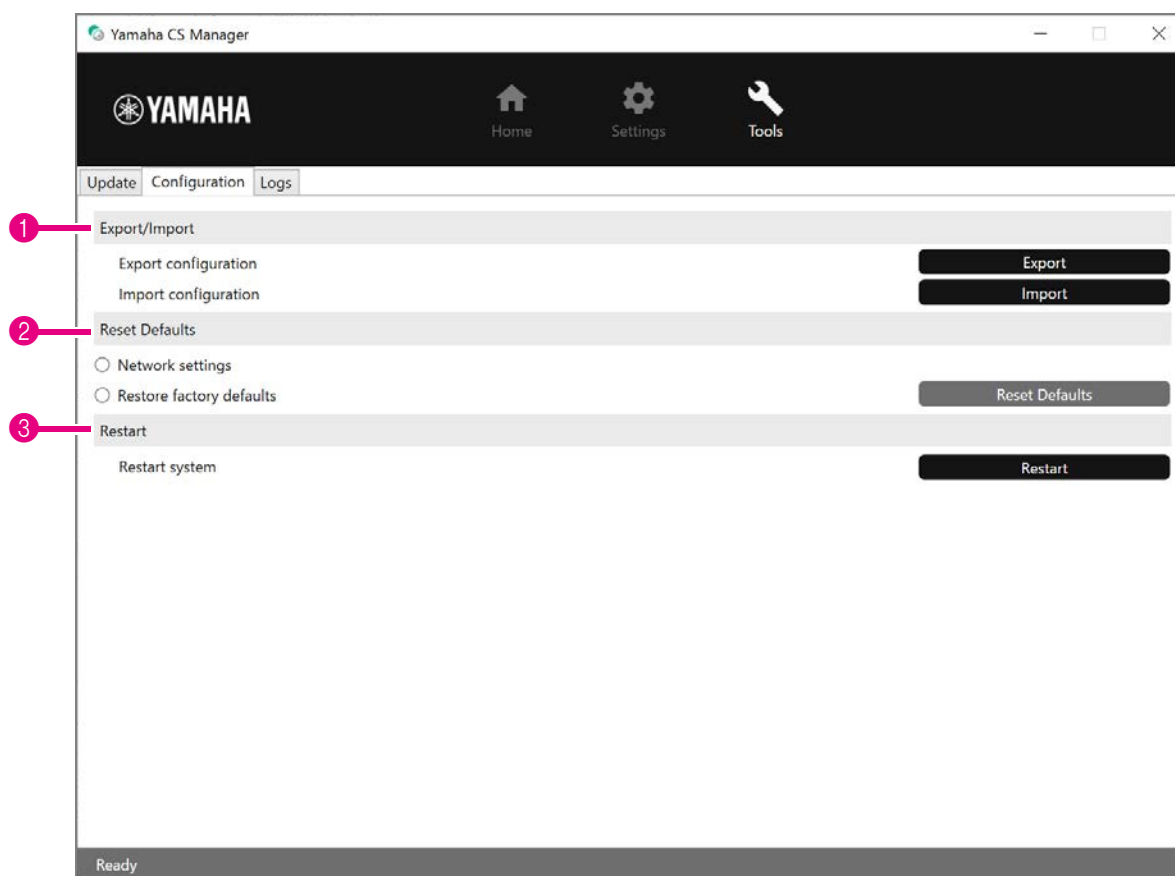
<https://www.yamaha.com/2/cs-500/>

- Do not disconnect the USB cable or AC adapter of the device while updating the firmware.
 - When the update has completed successfully, the CS-800/CS-500 restarts, and its indicator lights up in white. If the indicator is not a steady white, please update the firmware again.
- * After the update is finished, check the [Status] screen of Yamaha CS Manager to confirm that the new version appears beside "Firmware version".

Configuration

In the [Configuration] screen, the device settings can be reset or the device can be restarted.

[Tools] menu > [Configuration] screen



1 Export/Import

Item	Description
Export	<p>Allows you to export the settings specified in this application software. The exported configuration file can be imported by pressing the [Import] button or using CS Remote Configurator.</p> <p>Items not exported:</p> <ul style="list-style-type: none"> • Login password for Yamaha CS Manager • [Host name] in the [Network] screen • [IP Address] in the [Network] screen
Import	Allows you to import a configuration file.

2 Reset Defaults

Item	Description
Network settings	To reset the network settings, select this, and then click the [Reset Defaults] button.
Restore factory defaults	To return the device to its factory default settings (initialize), select this, and then click the [Reset Defaults] button. After the reset is finished, the initial password setting window appears.
Reset Defaults	Click to perform the reset selected above.

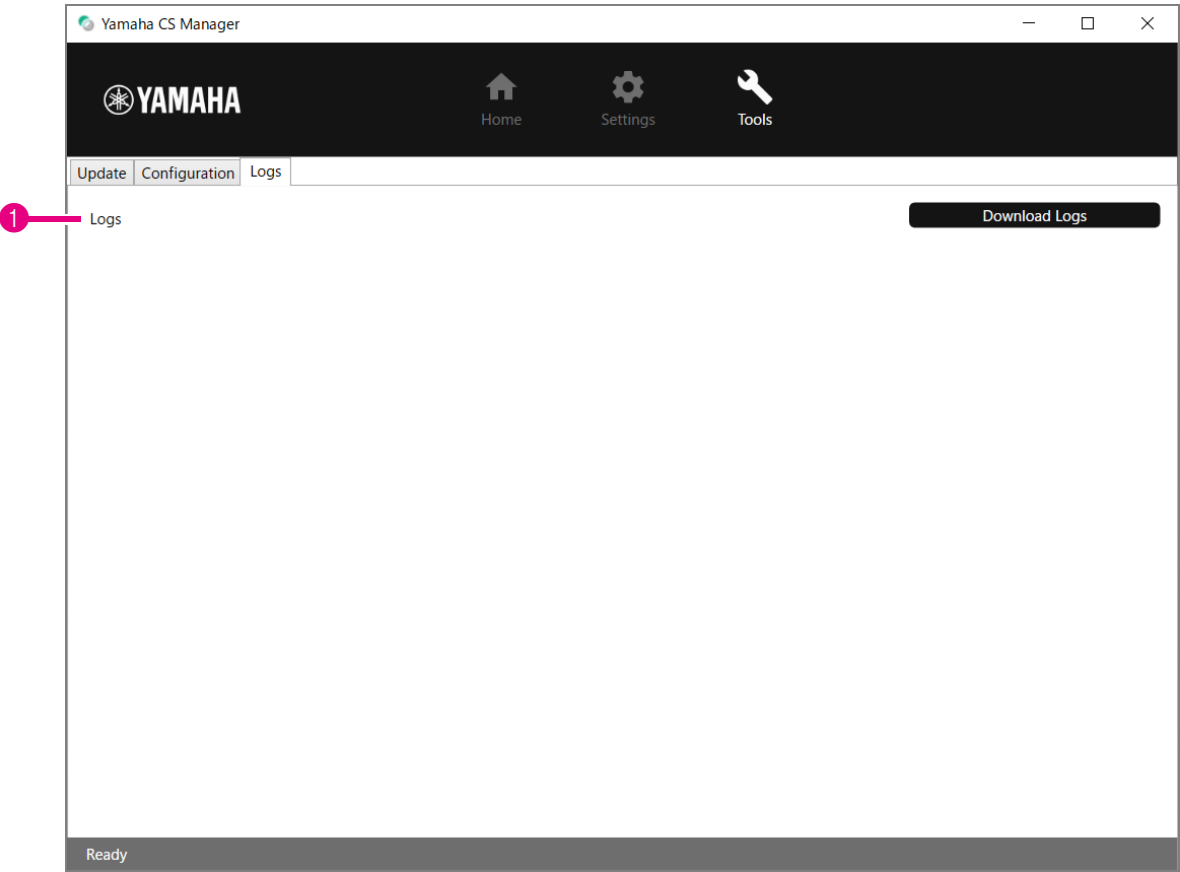
3 Restart

Item	Description
Restart	Click to restart the device. After the device is restarted, the login window appears.

Logs

In the [Logs] screen, log information can be downloaded. If you contact our support desk with a problem that you have encountered, you may be asked to download the log to be analyzed for the cause.

[Tools] menu > [Logs] screen



1 Logs

Item	Description
Download Logs	Click to save the log file. Browse to the location where the log file is to be downloaded and saved.

NOTE

The log information will be erased when the device is returned to its factory default settings (factory reset). We recommend downloading the log information before performing a factory reset (Page 29) due to a problem.

Yamaha Global Site
<https://www.yamaha.com/>
Yamaha Downloads
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