

ProVisionaire Edge

V1.2 User Guide

Monitoring

Dashboard

Device List

Fault & Event List

Device List

Profile

Fault & Event

Sensing Data

Rio1608-D2 (ID: Y002, IP: 192.168.20.154)

▼

Enable

25

1-21 of 21

<

>

Data Name ↑ 1	Value
Clock Sync Status	Locked
Dante Device Name	Y002-Yamaha-Rio1608-D2-10d688
Dante Firmware Version	4.2.4.1-4.0.5.2-3.1.0
Dante I/F IP Address [Primary]	192.168.20.153
Dante I/F IP Address [Secondary]	192.168.40.120
Dante I/F Mac Address [Primary]	00:1D:C1:10:D6:88
Dante I/F Mac Address [Secondary]	00:1D:C1:10:D6:89
Dante Module Type	Brooklyn II
Device ID	Y002
Device Name	Yamaha-Rio1608-D2-10d688
Exceptional Mute	Unmuted
Fault Status	OK

Contents

1. Introduction	2
1.1. Note	2
1.2. What you can do using ProVisionaire Edge	2
1.3. Operating requirements of the software	3
1.4. Installation procedures	3
1.5. Starting method	3
2. Basic process	4
2.1. Network settings from ProVisionaire Edge Setting	4
2.1.1. Configuring network interfaces	4
2.1.2. Registering devices	5
2.2. Starting device monitoring	7
3. Screen structure	8
3.1. "ProVisionaire Edge Setting" window	8
3.1.1. Monitoring screen	8
3.1.2. About screen	9
3.2. "ProVisionaire Edge" monitoring window	10
3.2.1. Dashboard screen	10
3.2.2. Device List screen	11
3.2.3. Fault & Event List screen	13
4. Troubleshooting	15

1. Introduction

Thank you for downloading Yamaha ProVisionaire Edge.

ProVisionaire Edge is a software program for Windows that is used to collect logs and status information from target devices on a local network and to monitor the information on a browser.

This document explains how to use ProVisionaire Edge (as of V1.2). For devices supported by ProVisionaire Edge, refer to the compatibility table on the ProVisionaire Edge download page.

1.1. Note

- All copyrights of this software and user guide are the property of Yamaha Corporation.
- Unauthorized copying or modification of this software or user guide in part or in whole is prohibited.
- Please be aware that Yamaha Corporation accepts no responsibility for any results or consequences that may follow from the use of this software and user guide.
- All of the illustrations and screen shots in this user guide are provided for the purpose of explaining operations. For this reason, they may differ from the actual specifications.
- iPad, iPhone, and AirDrop are trademarks of Apple Inc., registered in the U.S. and other countries and regions.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- App Store and iTunes are service marks of Apple Inc., registered in the U.S. and other countries and regions.
- Windows is a registered trademark of Microsoft Corporation in the United States and other countries.
- Please be aware of copyrights when using audio files for commercial purposes. Infringement of copyright is prohibited by law.
- Company names and product names appearing in this document are the trademarks or registered trademarks of their respective owners.
- The application software may be updated without notice for improvement purposes.
The latest application software can be downloaded from the Yamaha Pro Audio website.
<https://www.yamahaproaudio.com/>

1.2. What you can do using ProVisionaire Edge

When ProVisionaire Edge is installed, the following two software programs are installed.

The functions of each software program are outlined below.

ProVisionaire Edge

You can view the information and status of registered devices as well as fault information and operation log information.

ProVisionaire Edge Setting

Configure the network interface and register target devices.

You can also check the status of each server service that makes up the operation of ProVisionaire Edge.

NOTE

ProVisionaire Edge does not display status or fault information in real time.
When updating information, you need to manually refresh (reload) the page.

1.3. Operating requirements of the software

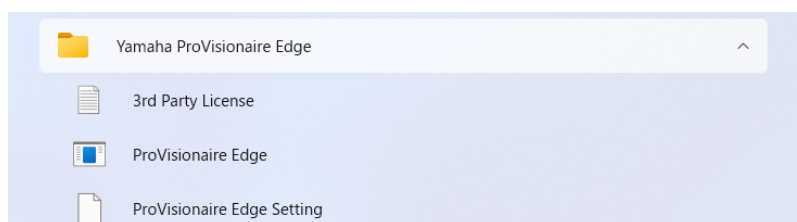
- OS : Windows 11 / Windows 10 (64-bit only)
- CPU : Intel Core i or higher
- Memory : 4 GB or more
- HDD/SSD : 2.2 GB or more
- Other : Ethernet (1000BASE-T or higher) or Wi-Fi equipped

1.4. Installation procedures

1. Download the ProVisionaire Edge installation file to your PC.
The ProVisionaire product page on the Yamaha Pro Audio site contains the link.
<https://www.yamahaproaudio.com/>
2. Extract the zip file to a location of your choice.
3. Double-click the "Install_PVEdge.exe" file in the folder.
4. Follow the installer instructions to install the application.

1.5. Starting method

Start the software from the start menu of your computer.



2. Basic process

2.1. Network settings from ProVisionaire Edge Setting

After installing ProVisionaire Edge, start ProVisionaire Edge Setting from the start menu of your computer and configure the network interface and devices to be monitored.

For details on ProVisionaire Edge Setting, refer to [“ProVisionaire Edge Setting” window](#) described below.

2.1.1. Configuring network interfaces

No.	Network Interface	IP	MAC	Delete
1	Intel(R) Ethernet Connection (16) I2...	0.0.0.0/0.0.0.0	B8:20:8E:78:72:90	
2	Selected interface not found.	0.0.0.0/0.0.0.0	58:27:8C:BE:01:FC	
3	Bluetooth Device (Personal Area Net...	0.0.0.0/0.0.0.0	4C:5F:70:0E:61:D0	

1. Set the IP address of the network interface on which to run ProVisionaire Edge so that it is in the same subnet as the devices to be monitored.
2. In the ProVisionaire Edge Setting monitoring window, select one or more network interfaces to be used for communication with the devices.
You can add a network interface by clicking the [Add Interface] button.
3. Click the [Save] button in the upper right corner of the screen to save your settings.

NOTE

• Maximum number of network interfaces

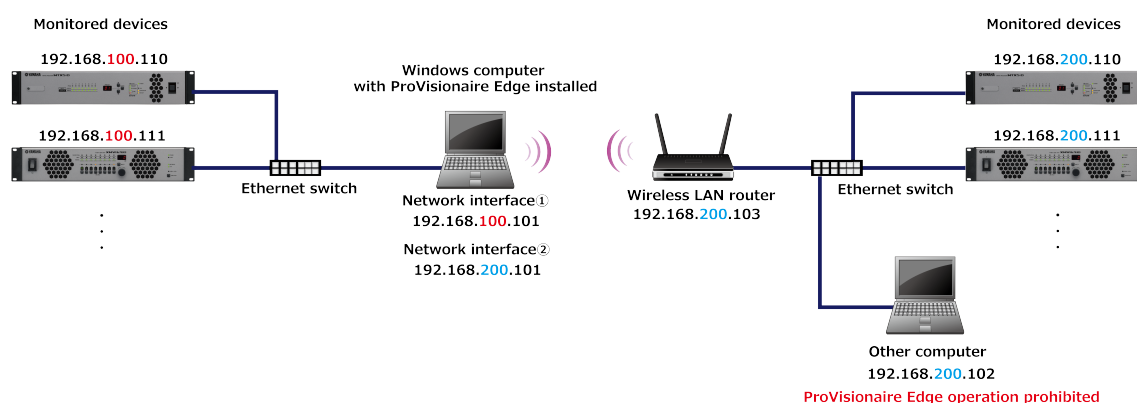
ProVisionaire Edge can communicate with devices via up to eight network interfaces.

• IP address allocation restrictions for network interfaces

In ProVisionaire Edge, assign only one IP address to each network interface. If you want to assign multiple IP addresses to monitor multiple subnets, you will need to add additional network interfaces to your computer, one for each IP address.

• Number of PCs running ProVisionaire Edge

Only one computer can start and run ProVisionaire Edge on each subnet. If ProVisionaire Edge is running on multiple computers, communication may not be possible between other ProVisionaire applications and devices. Also, it cannot be used together with ProVisionaire Monitoring Service.



2.1.2. Registering devices

Register the devices you want to monitor with ProVisionaire Edge.

1. In ProVisionaire Edge, devices on the selected network interface are automatically detected. Therefore, in principle, there is no need to manually register devices in ProVisionaire Edge Setting.

NOTE

Automatically-registered devices will not be displayed in the “Manual Device Registration” list on the ProVisionaire Edge Setting monitoring screen.

Manual Device Registration
ProVisionaire Edge discovers all compatible devices in LANs through the selected network interfaces and automatically starts monitoring and logging. However, you need to register the targeted devices manually in the case(s):

- If you need to monitor the devices in the other network segment.
- If you need to monitor the devices which don't support automatic discovery, e.g. CTL-DM7.

Register Device

No.	IP	Device type	Model	Delete
1	0 : 0 : 0 : 0	Power Amplifiers	XMV4140	

NOTE

The following cases will not be automatically detected. Manually register such devices in “Manual Device Registration” on the ProVisionaire Edge Setting monitoring screen.

- When monitoring a device on another network segment
- When monitoring the following models, which do not support automatic discovery (as of ProVisionaire Edge V1.2)
 - DM7 Control
 - DM3 Standard (when connecting two or more devices)

For the latest supported devices and firmware versions, refer to the compatibility table on the ProVisionaire Edge download page.

2. When you have manually registered a device, click the [Save] button in the upper right corner of the screen to save your settings.

Supported devices (as of ProVisionaire Edge V1.2)

Device name	Connector	IP address	IP address setting method
DM7 Series *1	NETWORK connector	Any	SETUP → NETWORK → FOR MIXER CONTROL
DM3 Series *2	NETWORK connector	Any	SETUP → NETWORK → FOR MIXER CONTROL
RIVAGE PM Series (console, DSP) *3	NETWORK [PC] connector	192.168.53.* (fixed)	The address cannot be changed.
CL/QL Series *4	NETWORK connector	Any	SETUP → NETWORK → FOR MIXER CONTROL
Rio-D2 Series	Dante Primary connector	Any	SETUP → IP ADDRESS
DME7 *4	NETWORK connector	Any	Settings → IP Settings → DME Control Port
MRX7-D, MTX5-D	Dante Primary connector	Any	Set the address using a UNIT ID and DIP switch (192.168.0.xxx). Alternatively, you can set any address using MTX-MRX Editor.
MTX3 *4	NETWORK connector	Any	Set the address using a UNIT ID and DIP switch (192.168.0.xxx). Alternatively, you can set any address using MTX-MRX Editor.
PC-D Series	NETWORK connector	Any	NETWORK → CONTROL
XMV Series *4	NETWORK connector	Any	Set the address using a UNIT ID and DIP switch (192.168.0. xxx). Alternatively, you can set any address using Amp Editor.
XMV-D Series	Dante Primary connector	Any	Set the address using a UNIT ID (192.168.0.xxx). Alternatively, you can set any address using Amp Editor.
NEXO NXAMPmk2 Series *5	Expansion slot connector	Any	REMOTE CONTROL SETTINGS
DZR/DXS-D Series	Dante Primary connector	Any	UTILITY → NETWORK

*1 DM7 Control is not automatically detected. Specify the IP address using Manual IP.

*2 When connecting two or more DM3 Standard units, specify the IP address using Manual IP.

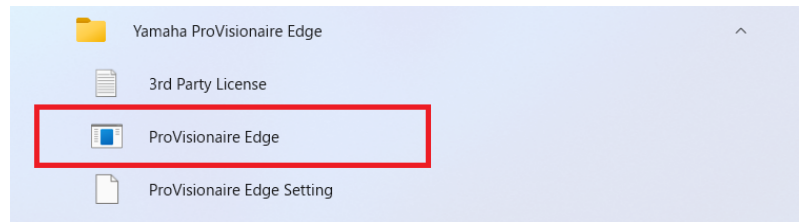
*3 To avoid problems with control communications that use the NETWORK [PC] connector of the RIVAGE PM series, we recommend using a network interface dedicated to the RIVAGE PM series. Connect other devices to a different network interface.

*4 For devices connected via NETWORK connectors, we recommend using a network interface separate from the Dante network, wherever possible. This measure can avoid placing a communication load on the NETWORK connector. Connect the devices connected via Dante connectors to a different network interface.

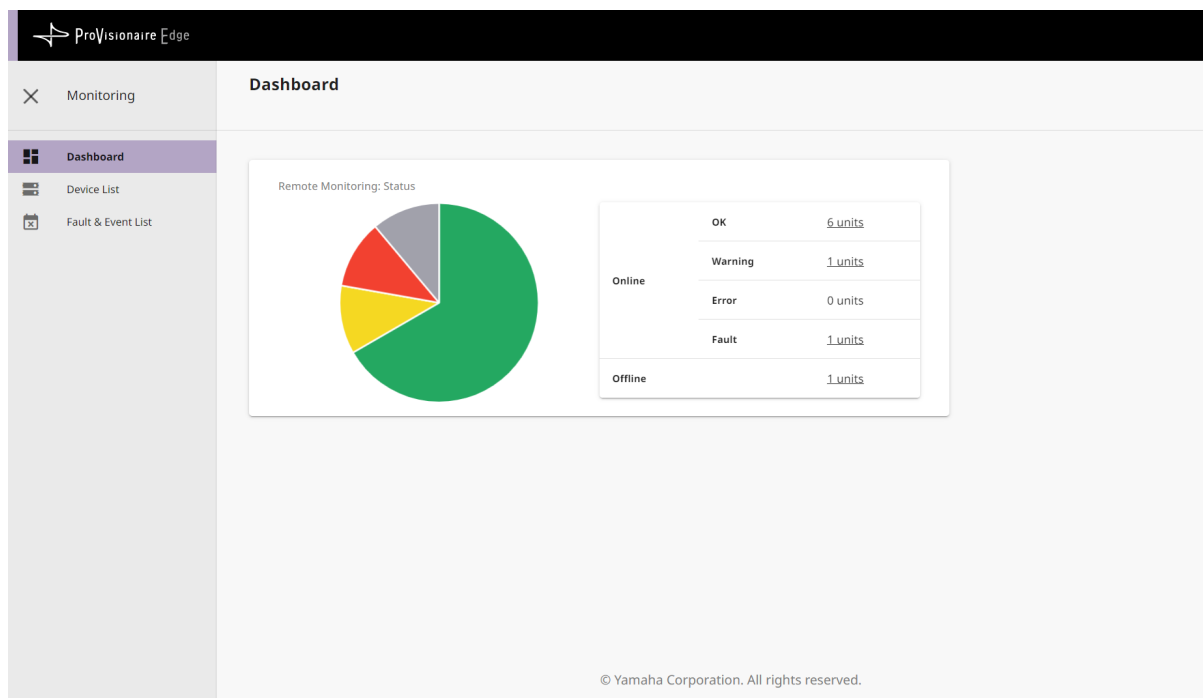
*5 When monitoring the NXAMPmkII series, use the NXRM104 or NXAE104 card.

2.2. Starting device monitoring

1. Connect the devices you want to monitor to your computer via a network.
2. Start ProVisionaire Edge from the start menu of your computer.



3. ProVisionaire Edge will start on your browser. Start monitoring devices.
For more information on device monitoring, refer to [“ProVisionaire Edge” monitoring window](#) described later.



3. Screen structure

3.1. “ProVisionaire Edge Setting” window

The “ProVisionaire Edge Setting” window allows you to configure ProVisionaire Edge.

To open this screen, select the Windows [Start] menu → [Yamaha ProVisionaire Edge] → [ProVisionaire Edge Setting].

3.1.1. Monitoring screen

Configure the network interface and register target devices.

The screenshot shows the ProVisionaire Edge Monitoring screen. It features a sidebar with 'Settings' and 'Monitoring' (selected), and an 'About' section. The main area is titled 'Monitoring' and contains several sections:

- 1 Save:** A button in the top right corner.
- 2 Network Interfaces for Device Communication:** A section with a description and an 'Add Interface' button (3). It contains a table with columns: No., Network Interface, IP, MAC, and Delete. The table has one row with 'Intel(R) Ethernet Connection (16) I2...' as the network interface, IP '0.0.0.0/0.0.0.0', and MAC 'B8:20:8E:78:72:90'.
- 4 Manual Device Registration:** A section with a description and a 'Register Device' button (5). It contains a table with columns: No., IP, Device type, Model, and Delete. The table has one row with IP '0 : 0 : 0 : 0', Device type 'Power Amplifiers', and Model 'XMV4140'.
- 6 Date Time Display Format:** A section with a dropdown menu showing 'YYYY/MM/DD hh:mm:ss' and a sample time '2024/04/26 17:52:31'.
- 7 Database Size Limit:** A section with a slider and a label 'About 1 GB'.
- 8 TCP port number for ProVisionaire Edge HTTP server (default value : 50081):** A section with a text input field containing '50081'.
- 9 TCP port number with which ProVisionaire Edge collects IoT data from devices (default value : 50080):** A section with a text input field containing '50080'.

① [Save] button

The settings are reflected in ProVisionaire Edge.

② [Network Interfaces for Device Communication]

Select the network interface to be used for obtaining device operation information.

③ [Add Interface] button

Each time you click this button, an interface is added.

④ [Manual Device Registration]

When monitoring a device that is in a different network segment than ProVisionaire Edge or a device that does not support automatic discovery, specify the IP address of the device and register it as a monitoring target.

⑤ [Register Device] button

Each time you click it, a device is added. Set the IP address of the device on the network and the target model.

⑥ [Date Time Display Format]

Specify the display time format used in the [Fault & Event List].

⑦ [Database Size Limit]

When the database size exceeds the specified size, the oldest data will be automatically deleted.

Advanced settings**⑧ [TCP port number for ProVisionaire Edge HTTP server (default value: 50081)]**

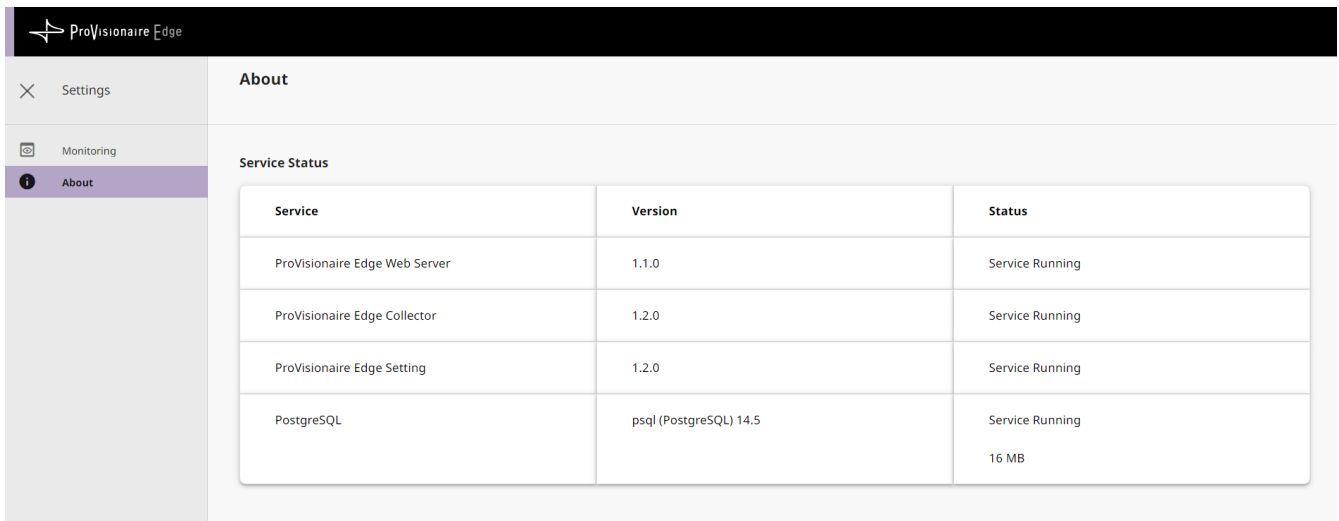
Set a TCP port number through which to pass monitoring information to other computers.
When you change the TCP port number, change the Windows firewall settings as well.

⑨ [TCP port number with which ProVisionaire Edge collects IoT data from devices (default value: 50080)]

Set a TCP port number through which to collect monitoring information.
When you change the TCP port number, change the Windows firewall settings as well.

3.1.2. About screen

You can check the statuses of the server services that configure the operation of ProVisionaire Edge.



The screenshot shows the 'About' screen of the ProVisionaire Edge application. The left sidebar contains three menu items: 'Settings', 'Monitoring', and 'About' (which is currently selected). The main content area is titled 'About' and displays a 'Service Status' table. The table has three columns: 'Service', 'Version', and 'Status'. It lists four services: ProVisionaire Edge Web Server (version 1.1.0, status Service Running), ProVisionaire Edge Collector (version 1.2.0, status Service Running), ProVisionaire Edge Setting (version 1.2.0, status Service Running), and PostgreSQL (version psq (PostgreSQL) 14.5, status Service Running). The PostgreSQL status also includes '16 MB'.

Service	Version	Status
ProVisionaire Edge Web Server	1.1.0	Service Running
ProVisionaire Edge Collector	1.2.0	Service Running
ProVisionaire Edge Setting	1.2.0	Service Running
PostgreSQL	psq (PostgreSQL) 14.5	Service Running 16 MB

3.2. “ProVisionaire Edge” monitoring window

The “ProVisionaire Edge” monitoring window allows you to monitor the operating statuses of supported devices with ProVisionaire Edge.

To open this screen, select the Windows [Start] menu → [Yamaha ProVisionaire Edge] → [ProVisionaire Edge].

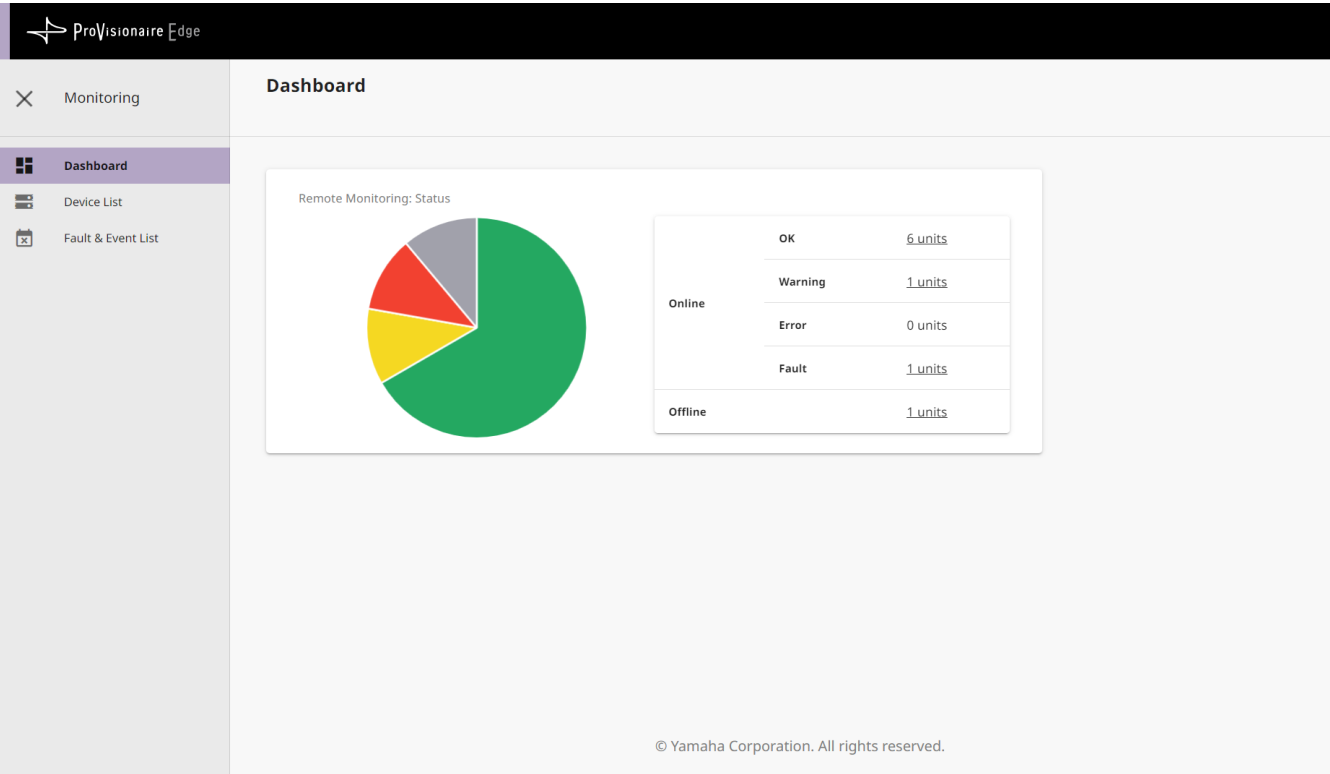
NOTE

To display the latest state, refresh (reload) the page in your browser.

3.2.1. Dashboard screen

This screen displays the overall device statuses (OK, Warning, Error, or Fault).

- OK : No abnormalities
- Warning : Automatic avoidance, prevention, protection, or precursor detection by devices
- Error : Temporary malfunction (cause: incorrect settings, misoperation, incorrect wiring, incorrect management, etc.)
- Fault : Unrecoverable malfunction (cause: hardware failure, etc.)



3.2.2. Device List screen

This screen displays the device operation information collected by ProVisionaire Edge.

Device List

1 [Filter] button 2 [Enable] checkbox 12 Offline Devices 13 Error Devices

4 Detail	5 Model ↑ 1	6 ID	7 IP Address	8 Firmware Version	9 Online/Offline	10 Status	11 Identify
[Detail]	DME7	2	192.168.100.58	R1.20c	Online	Warning	[Identify]
[Detail]	DXS15XLF-D	01	192.168.100.4	R1.5.0a3	Online	OK	[Identify]
[Detail]	DZR15-D	01	192.168.100.180	R1.5.0a3	Online	OK	[Identify]
[Detail]	MRX7-D	013	192.168.0.19	4.1.0	Offline	OK	
[Detail]	MRX7-D	001	192.168.100.198	4.2.0	Online	OK	
[Detail]	MTX3	003	192.168.0.3	4.1.0	Online	Fault	
[Detail]	MTX5-D	002	192.168.0.215	4.1.0	Online	OK	
[Detail]	XMV4140-D	057	192.168.100.245	4.2.0	Online	OK	
[Detail]	XMV8140	00E	192.168.0.14	4.1.0	Online	OK	

1 [Filter] button

The filter settings screen is displayed.

2 [Enable] checkmark

Select this box to enable the filter.

3 Device List

4 [Detail] button

Detailed device information is displayed.

Device List

Profile Fault & Event Sensing Data

DME7 (ID: 2, IP: 192.168.100.58)

4 [Detail] button

Data Name ↑ 1	Value
Clock Sync Status	Locked
Dante Device Name	Y002-Yamaha-DME7-26a554
Dante Firmware Version	4.2.1.2-1.1.0.26-3.1.0
Dante I/F IP Address [Primary]	192.168.100.217
Dante I/F IP Address [Secondary]	172.31.32.54
Dante I/F Mac Address [Primary]	00:A0:DE:26:A5:54
Dante I/F Mac Address [Secondary]	00:A0:DE:26:A5:55
Dante Module Type	Dante-HY
Device ID	2

- **⑤ Model**
Model name of device
- **⑥ ID**
UNIT ID of device
- **⑦ IP Address**
IP address of device
- **⑧ Firmware Version**
MAIN firmware version of device
- **⑨ Online/Offline**
Device connection status (Online/Offline)
- **⑩ Status**
Device status (OK/Warning/Error/Fault)
- **⑪ [Identify] button**
When you click here, the device indicator flashes for a few seconds.

⑫ [Offline Devices] button

Only offline devices are displayed in the list.

⑬ [Error Devices] button

Only devices with an error are displayed in the list.

3.2.3. Fault & Event List screen

This screen displays a list of information on the faults and events that have occurred on all the monitored devices.

Fault & Event List

1 Filter button 2 [Enable] checkmark 12 Unresolved 13 Clear All

4 Model	5 ID	6 Date/Time	7 Severity	8 Event Type	9 Status	10 Count	11 Message
DME7	2	2024/03/06 07:49:06	OK	IP Address Assigned (AutoIP) [Device Control Port]	Momentary	1	IP address is assigned (AutoIP) to the network interface.
DME7	2	2024/03/07 09:33:41	OK	Time Synchronized	Momentary	1	Date and time is synchronized.
DME7	2	2024/04/12 07:03:01	OK	IP Address Assigned [DME Control Port]	Momentary	1	IP address is assigned to the network interface.
DME7	2	2024/03/06 07:49:06	Error	Leader W/C Unlock	Resolved	1	Wrong word clock detected on leader word clock source.
DME7	2	2024/03/07 07:51:41	Error	Leader W/C Unlock	Resolved	1	Wrong word clock detected on leader word clock source.
DME7	2	2024/03/07 07:51:46	Warning	No Dante Connection [1]	Occurred	1	No network is connected to the Dante port. Please check the Dante connection.
DME7	2	2024/04/12 07:03:01	OK	IP Address Assigned [Device Control Port]	Momentary	1	IP address is assigned to the network interface.
DME7	2	2024/04/12 07:03:01	Error	Leader W/C Unlock	Occurred	1	Wrong word clock detected on leader word clock source.
DME7	2	2024/04/12 07:03:11	Warning	Dante Secondary Error	Occurred	1	The Dante secondary port is not functioning.
DME7	2	2024/03/06 07:49:06	OK	IP Address Assigned (AutoIP) [to Dante Module]	Momentary	1	IP address is assigned (AutoIP) to the network interface.
DME7	2	2024/03/07 07:51:41	Error	Leader W/C Unlock	Occurred	1	Wrong word clock detected on leader word clock source.
DME7	2	2024/03/07 07:51:41	OK	IP Address Assigned [DME Control Port]	Momentary	1	IP address is assigned to the network interface.
DME7	2	2024/03/07 07:51:41	OK	IP Address Assigned (AutoIP) [Device Control Port]	Momentary	1	IP address is assigned (AutoIP) to the network interface.
DME7	2	2024/03/07 07:51:41	OK	IP Address Assigned (AutoIP) [to Dante Module]	Momentary	1	IP address is assigned (AutoIP) to the network interface.

1 Filter button

The filter settings screen is displayed.

2 [Enable] checkmark

Select this box to enable the filter.

3 Fault & Event List

- **4 Model**
Model name of device
- **5 ID**
UNIT ID of device
- **6 Date/Time**
Date and time when the fault or event occurred
- **7 Severity**
Severity of the fault or event that occurred
 - OK : No abnormalities
 - Warning : Automatic avoidance, prevention, protection, or precursor detection by devices
 - Error : Temporary malfunction (cause: incorrect settings, misoperation, incorrect wiring, incorrect management, etc.)
 - Fault : Unrecoverable malfunction (cause: hardware failure, etc.)
- **8 Event Type**
Type of event that occurred

- **⑨ Status**

Type of fault or event that occurred

- Momentary : Event occurrence
- Occurred : Transition to a faulty state
- Resolved : Transition to a fault resolved state

- **⑩ Count**

Number of times that the same fault or event occurred before the next fault or event occurred

- **⑪ Message**

Detailed information about the fault that occurred

⑫ [Unresolved] button

Only faulty devices whose fault is unresolved are displayed.

⑬ [Clear All] button

All logs within ProVisionaire Edge are cleared. A screen appears asking you to confirm whether to clear the logs.

4. Troubleshooting

Problem	Cause	Action
The device exists on the network, but cannot be found by ProVisionaire Edge.	The device may not be registered because the device model does not support automatic registration.	Manually register the device in “Manual Device Registration” in ProVisionaire Edge Setting. Models that do not support automatic registration (as of ProVisionaire Edge v1.2) · DM7 Control · DM3 Standard *When connecting two or more devices
A device on the network cannot be registered from ProVisionaire Edge Setting.	The target device may not be supported by ProVisionaire Edge.	Refer to the ProVisionaire Edge compatibility table on the Yamaha Pro Audio website. To view the compatibility table, search for “ProVisionaire Edge Compatibilities.”

