

USF-212S

Quick Setup Guide

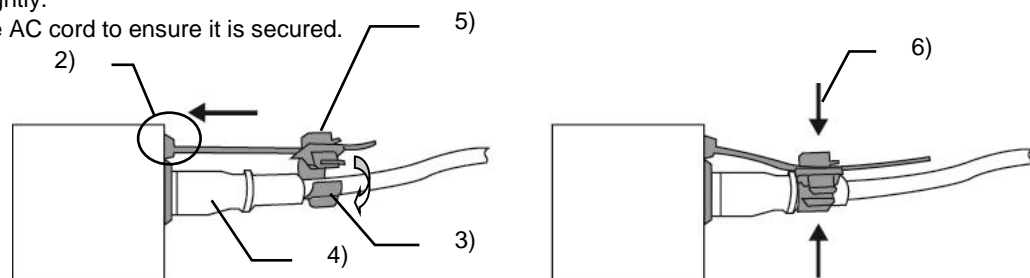
USF-212S Packing List:
 USF-212S (1 unit)
 AC Cable (1 set, including AC Cord Retaining Clip)
 CD-ROM (PDF Operation Manual)



1. Installing the AC Cord Retaining Clip

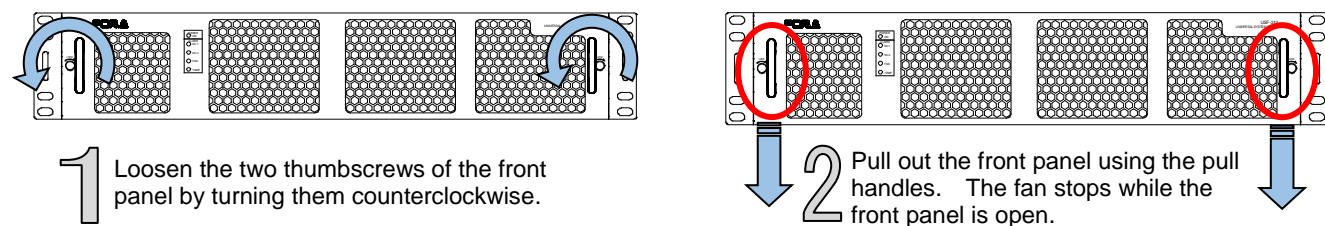
Secure the AC cord with the supplied ladder strap/retaining clip assembly to prevent accidental disconnection from the USF-212S. Apply before mounting on the rack.

- 1) Wrap the retaining clip around the AC cord. (with the anchor of the ladder strap toward the unit.)
- 2) Insert the anchor into the hole next to the AC IN socket.
- 3) Lightly fasten the clip around the AC cord.
- 4) Plug in the power cord.
- 5) Slide the clip on the ladder strap toward the plug.
- 6) Fasten the clip tightly.
- 7) Gently pull on the AC cord to ensure it is secured.



2. Opening the Front Panel

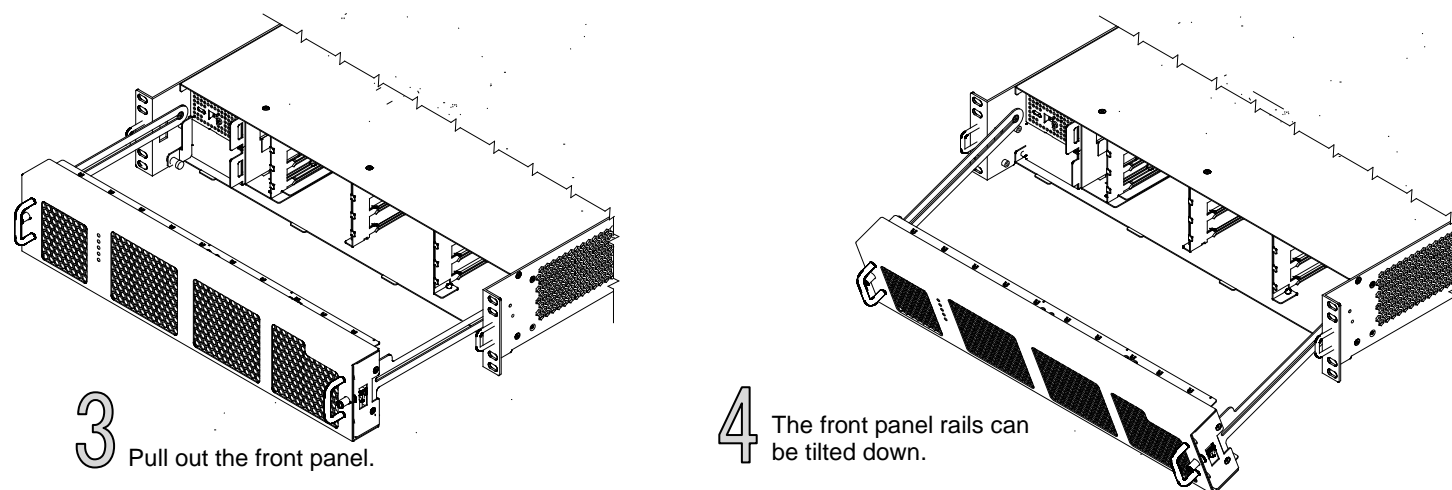
The Front panel may be difficult to open if the USF frame is placed on a desk, and may be damaged the front panel if it is forced to open. Perform the following steps after setting the frame in a rack.



1 Loosen the two thumbscrews of the front panel by turning them counterclockwise.

2 Pull out the front panel using the pull handles. The fan stops while the front panel is open.

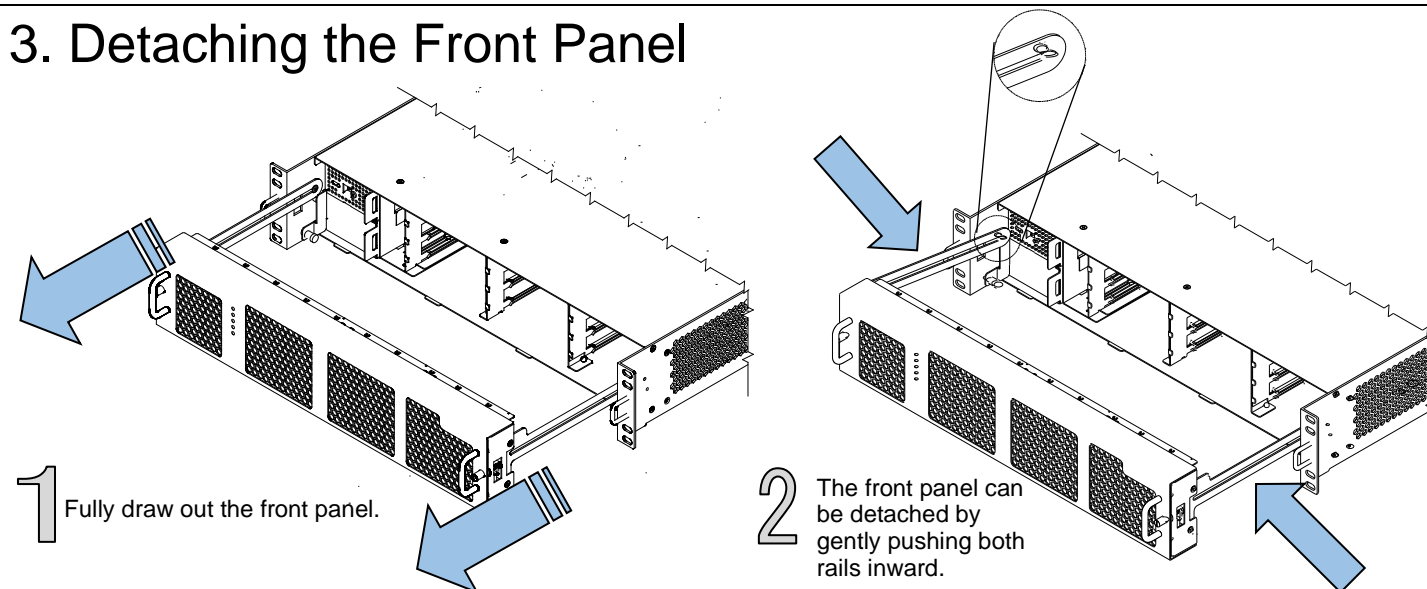
The OPEN alarm will sound every 30 seconds. It continue sounding after 5 minutes. In case of the power is on, complete the procedure in a short period of time.



3 Pull out the front panel.

4 The front panel rails can be tilted down.

3. Detaching the Front Panel



1 Fully draw out the front panel.

2 The front panel can be detached by gently pushing both rails inward.

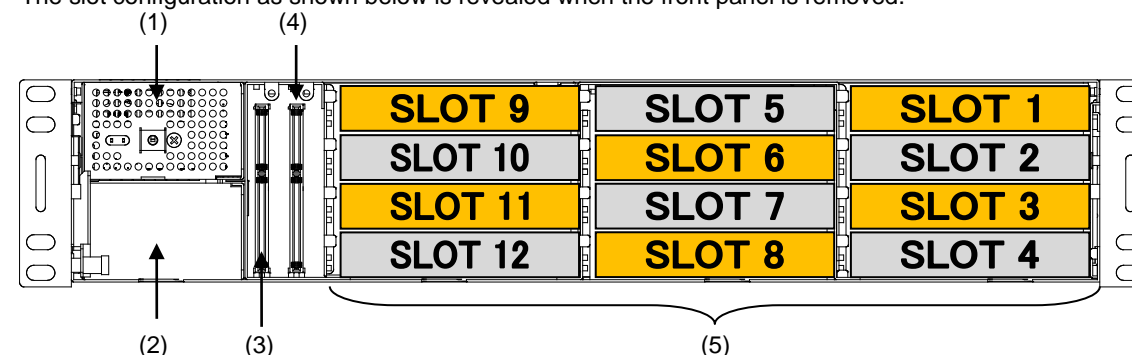
Handle the front panel carefully so as not to bend the rails.

IMPORTANT

After the front panel is installed, the ALARM LED on the front panel will light in the following order.
 DC1 → DC2 → FAN → TEMP
 When the ALARM LEDs not lighting in the above order indicates the front panel has not been installed properly. Re-install the front panel.

4. Front Interior

The slot configuration as shown below is revealed when the front panel is removed.

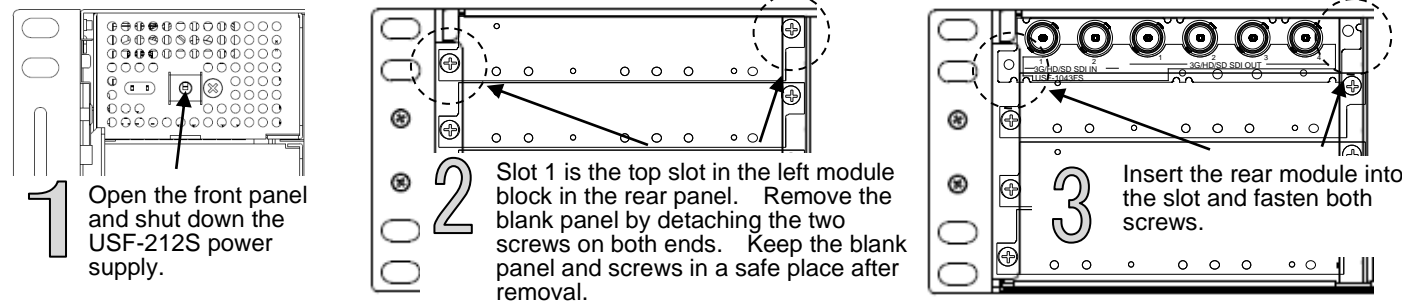


No.	Slot Type	Description
(1)	Power Supply 1 slot	Dedicated power unit is installed in this slot as standard. Power is supplied when the switch is turned on.
(2)	Power Supply 2 slot	Slot for redundant power supply USF-212PS. Redundant operation available when optional USF-212PS is installed. A blank panel will otherwise cover the slot.
(3)	Control module slot	Fan module slot. Enables you to monitor power supply and fan states via SNMP from back connector LAN A and alarm output via GPI. LAN1 and LAN2 are not applicable.
(4)	Expansion slot	Not used.
(5)	USF module slot	Dedicated USF module slots. (Front USF modules) For details on module operation, refer to the respective operation manuals.

5. USF Module Installation

Module installable slots vary depending on the USF module type. (See "Installation Slots for Front and Rear Modules" below.)
If multiple free slots exist, do not install modules side-by-side but leave slots open to prevent overheating and facilitate signal connection from the rear panel.
The procedure for installing the USF module in Slot 1 is described below as an example.

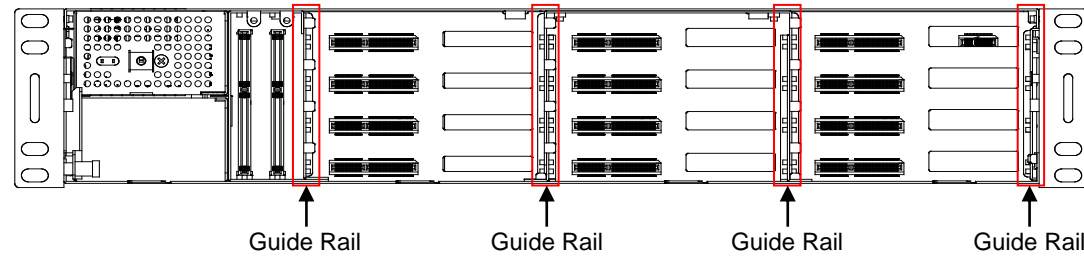
Installing a USF Rear Module



Installing a USF Front Module

Make sure to install the front module after installing the rear module.

- 1) SLOT 1 is the top slot in the right block of the front panel. (Refer to Sec. 4-5. "Slot Number.")
- 2) Set the module on the guide rail and carefully insert the module slowly.



- 3) Push the front panel handle until the front module clicks into the rear module.

Inserting the module by pressing on other than the handle may damage some parts on the PCB.

Installation Slots for Front and Rear Modules

<Type 1>

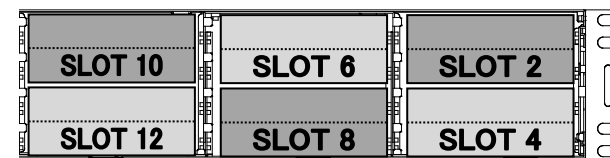
Front: 1 slot (All slots)
Rear: 1 slot (All slots)

Available modules:

105DADA	402AADC
108ADA	1013MUX
1040VEA	1013DEMUX
1053DDA	1043FS
204ADAC	1043VM

<Type 2>

Front: 1 slot (Even slots only)
Rear: 2 slots (Upper and lower)



Available modules:

1100VEA
1044UDC

NOTE

- USF modules come as front and rear sets. Be sure to install set modules (front and rear) into their proper slots.
- Make sure to install the rear module first, then install the front module.
- Install blank panels over free slots to prevent foreign material from entering and overheating the chassis.

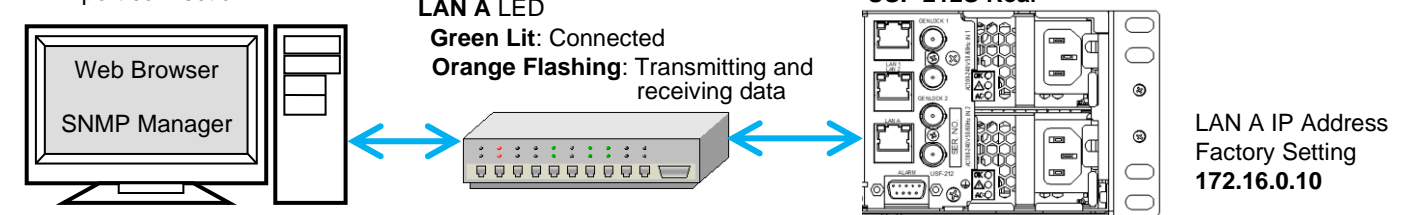
IMPORTANT

- Beware of the occurrence of electrical breakdown in USF Modules.
- Wear an antistatic wrist strap or equivalent to equalize the electrical potential of the USF-212S unit and the worker's body. Do not touch the PCB wiring or parts legs directly with your fingers while working.
- Each USF Module can be installed and uninstalled while the power is on in case of emergency. Shut down the power for non-emergency work.
- When front module is being installed / uninstalled while the power is on, the front panel is in open state. The fan will stop during the procedure, so it is essential to complete the installation within a short period and to close the front panel immediately.
- Be sure to shut down the power to install and uninstall a control module.

6. Connecting USF-212S to a PC

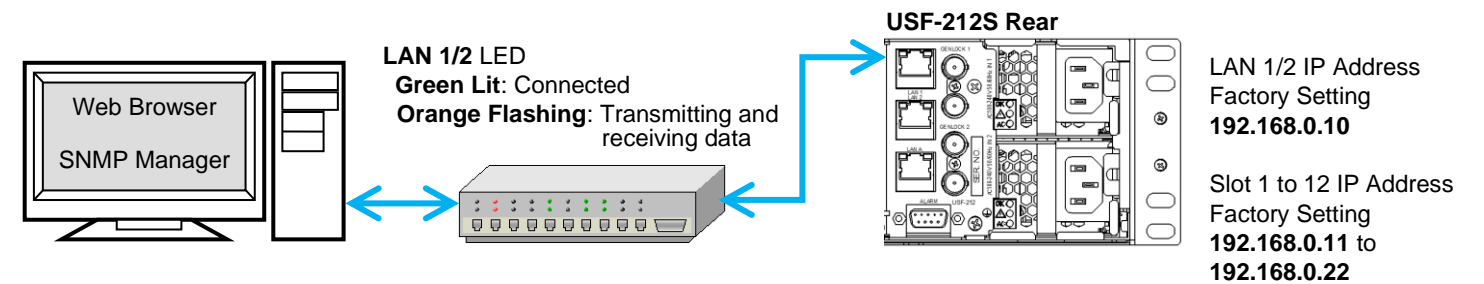
When USF-212S is network connected via network to a PC, operation can be monitored on SNMP manager using a web browser, and GPIO alarm setting can be entered. There are two ways to connect USF-212S to a PC; using LAN A or LAN 1/2 port. Select a suitable port in accordance with system configuration.

LAN A port connection



LAN 1/ LAN2 port connection

Connect to LAN1 or LAN2 port on the rear panel. (Connection to LAN1 port is shown in the drawing below.)



7. Network Default Setting

Open the web browser of the PC and input address.

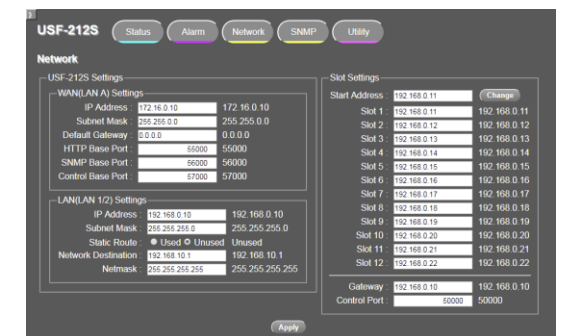
Connecting to LAN A: <http://172.16.0.10/> (Factory Setting)

Connecting to LAN 1 or LAN 2: <http://192.168.0.10/> (Factory Setting)

A status page as shown opens on the web browser when connection is established.

IP Address Change

- 1) Click the **Network** tab.
- 2) Input new IP address into the IP Address box of **WAN Settings** to change LAN A IP address.
Input new IP address into the IP Address box of **LAN 1/2 Settings** to change LAN 1/2 IP address.
- 3) A confirmation message window opens when you click **Apply**.
Click **OK** in the confirmation window.
- 4) Click **Utility** tab, then click **Restart**.
Click **OK** when the restart confirmation window opens.
USF-212S restarts. The new setting is reflected after the restart.



NOTE

IP addresses are assigned to respective USF-212S modules installed. Refer to USF-212S operation manual Sec.10 "USF-212S WEB GUI" for details on setting IP addresses.