# 1. Overview

MFR-16ADI/MFR-16AAI is an input expansion card for MFR main units.
MFR-16ADAO is an output expansion card for MFR main units.

## Input/Output Card Installation Slots (MFR-5000)

<table>
<thead>
<tr>
<th>Input/Output Card</th>
<th>Slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR-16ADI</td>
<td>05 - 08</td>
</tr>
<tr>
<td>MFR-16AAI</td>
<td>05 - 08</td>
</tr>
<tr>
<td>MFR-16ADAO</td>
<td>09 - 16</td>
</tr>
</tbody>
</table>

## Input/Output Card Installation Slots (MFR-8000)

<table>
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<tr>
<td>MFR-16ADI</td>
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<tr>
<td>MFR-16AAI</td>
<td>05 - 08</td>
</tr>
<tr>
<td>MFR-16ADAO</td>
<td>09 - 16</td>
</tr>
</tbody>
</table>

# 2. Input/Output Card Installation Slots

## MFR-5000

- **MFR-16ADI/16AAI**: Up to 4 cards can be installed into the following slots: No. 05 - 08
- **MFR-16ADAO**: Up to 8 cards can be installed into the following slots: No. 09 - 16

## MFR-8000

- **MFR-16ADI/16AAI**: Up to 4 cards can be installed into the following slots: No. 05 - 08
- **MFR-16ADAO**: Up to 8 cards can be installed into the following slots: No. 09 - 16

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What is in the Box

- Input/output card (MFR-16ADI/MFR-16AAI/MFR-16ADAO)
- Rear panel
- Installation Guide (This sheet)
3. Installing the Rear Panel and Input/Output Card

The example below shows how to install the rear panel and input/output card into the MFR-5000. To install the cards into the MFR-8000, proceed in the same manner.

1. Turn the MFR-5000 power off and disconnect the power cord.
2. Remove the four screws on the front of the MFR-5000 and remove the front panel.
3. Fasten screws to secure the rear panel to the rear of the MFR-5000.
4. Slide the input/output card with the white connector aligned up top into the slot from the front of the MFR-5000. For the MFR-8000, install the input/output card with the white connector upside down into the upper slot, and in the same orientation into the lower slot.
5. Close the two ejector levers.
6. Install the front panel. Installation is complete.

4. Operational Testing

Confirm that cards are properly installed and set necessary settings using MFR SERIES Web-based Control.

- **Verifying the Installation**
  In the MFR SERIES Web-based Control, open the Slot Status screen and verify that card name is displayed for the slot (See Section 5-3. "Slot Status" in the MFR SERIES Web-based Control Operation Manual for details.

- **Settings**
  To make the card available to use, settings are necessary. Refer to the following section in the MFR SERIES Web-based Control Operation Manual to set settings.

<table>
<thead>
<tr>
<th>Input/Output Card</th>
<th>Refer To</th>
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<tr>
<td>MFR-16SDI/16SDIA/16AESI/16ADi/16AAI</td>
<td>4-1-9. Source Assignment</td>
</tr>
<tr>
<td>MFR-16SDIO/16AESO/16ADAO</td>
<td>4-1-10. Destination Assignment</td>
</tr>
<tr>
<td>MFR-16AD/A/16DA/16DAD</td>
<td>5-4. Audio Settings</td>
</tr>
<tr>
<td>MFR-16DTDIO</td>
<td>5-5. RS-422 Settings (MFR-16DTIO)</td>
</tr>
</tbody>
</table>

Precautions
- Operate the unit only at the specified supply voltage.
- Ensure the unit is properly grounded at all times.
- Ensure the power cord and connectors are firmly connected.
- Do not access circuitry with power applied to the unit.
- Unit should not be operated or stored with the cover, panels, and/or casing removed.
- Unit should not be operated or stored in a humid, dusty, etc. environment. Doing so could result in fire or electrical shock.
- Do not allow fluids, metal fragments, or any other foreign objects to enter the unit. If foreign matter does enter the unit, turn the power off and disconnect the power cord immediately. Remove the material or contact your authorized service representative.
- If you notice any strange smells or noises coming from the unit, turn the power off immediately, disconnect the power cord, and contact your authorized service representative.