INSTALLATION GUIDE

HVS-100AO
HD/SD Analog Output Card

HVS-100DO
HD/SD Digital Output Card

HVS-100PCO
PC Output Card

3rd Edition - Rev.1

FOR-A COMPANY LIMITED
Prior to Starting

HVS-100AO, HVS-100DO, and HVS-100PCO are output expansion cards for HVS-100, HVS-2000 and HVS-490 units.
HVS-100DO and HVS-100PCO are output expansion cards for VRP-100 units.

Check to ensure no damage has occurred during shipment. If damage has occurred, or items are missing, inform your supplier immediately.

◆ HVS-100AO

<table>
<thead>
<tr>
<th>ITEM</th>
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<td>2-output analog expansion card</td>
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<tr>
<td>Conversion cable</td>
<td>1</td>
<td>Conversion cable for Ch2 (PC-3275)</td>
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<tr>
<td>Connector retainer for</td>
<td>1</td>
<td>For retaining the Mini-DIN connector</td>
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<td>conversion cable</td>
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<td>of the cable</td>
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<tr>
<td>Screws</td>
<td>2</td>
<td>Spare screws for securing the card</td>
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<tr>
<td>Installation guide</td>
<td>1</td>
<td>(This guide)</td>
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◆ HVS-100DO

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◆ HVS-100PCO

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CAUTION

The expansion cards are inserted from the rear of the main unit. The installation of expansion card should only be done by qualified technical personnel. To protect cards from electrostatic damage, do not touch the components on the cards.
1. Installing Output Cards

1-1. Card Installation Slots

- **HVS-100**
  The HVS-100AO, HVS-100DO, and/or HVS-100PCO cards can be installed into SLOT-B and SLOT-C from the HVS-100 rear panel. Note that the SLOT-B can accept both input and output cards.

- **HVS-2000**
  The HVS-100AO, HVS-100DO, and/or HVS-100PCO cards can be installed into I/O A and I/O B from the HVS-2000 rear panel. Note that the I/O A and I/O B can accept both input and output cards.

- **VRP-100**
  The HVS-100DO, and/or HVS-100PCO cards can be installed into SLOT-B and SLOT-C from the VRP-100 rear panel. Note that the SLOT-B can accept both input and output cards.

- **HVS-490**
  The HVS-100AO, HVS-100DO, and/or HVS-100PCO cards can be installed into SLOT A and SLOT B from the HVS-490 rear panel. Note that the SLOT A and SLOT B can accept both input and output cards.
1-2. Inserting a Card into a Slot

(1) Turn off the power of your Main Unit and disconnect the power cord(s).
(2) Remove the two screws securing the blank panel of Slot B or C and remove the blank panel.
(3) Position the output card between the guide rails of the slot and insert the card into the slot.

**NOTE**

Do not force the card into the slot. When inserting, be sure that the card is firmly positioned between the guide rails and not tilted.

(4) Make sure that the card is inserted correctly and tighten both screws on the rear panel.
(5) Connect the power cord and turn on the power of the switcher.

1-3. Checking the Installation

Check the STATUS menu to see that the output card(s) you have installed into the slot(s) is properly recognized.

- **HVS-100**
  Open the [SETUP - STATUS - OPTION] menu. Check that the output card(s) you have installed into the slot(s) is recognized. The menu example below shows an HVS-100DO is installed in SLOT-B.

  | STATUS   | :SLOT-A | (not installed) | : 1/6 |
  | OPTION   | :SLOT-B | HVS-100DO       | > v01-00 |

- **HVS-2000**
  Open the [STATUS > OPTION] menu. Check that the output card(s) you have installed into the slot(s) is recognized.

- **VRP-100**
  Open the [SETUP - STS] menu on the VRP-100RU. Check that the output card(s) you have installed into the slot(s) is recognized.

- **HVS-490**
  Open the [STATUS > OPTION] menu. Check that the output card(s) you have installed into the slot(s) is recognized.
2. Output Channels

Each card provides two channels of output and each channel can be independently set.

◆ **HVS-100**
  Each option channel should be set up in the [SETUP – OUTPUT – OPTION] menu.
  Additional output channels on SLOT-B are called **B-Ch1** and **B-Ch2**.
  Additional output channels on SLOT-C are called **C-Ch1** and **C-Ch2**.
  Use these names for additional output settings.
  The OUTPUT settings for these channels are initially assigned to **AUX5 to AUX8**, which are applied in numerical order.

Refer to the HVS-100 operation manual for details on output channel settings.

◆ **HVS-2000**
  Each option channel should be set up in the [SETUP > OUTPUT > OUT XPT] menu.
  Additional output channels on **I/O A** slot are called **AUX15** and **AUX16**.
  Additional output channels on **I/O B** slot are called **AUX17** and **AUX18**.
  Use these names for additional output settings.

Refer to the HVS-2000 operation manual for details on output channel settings.

◆ **VRP-100**
  Each option channel should be set up in the [IO- OUT] menu on the VRP-100RU.
  Additional output channels are called **OUT5 to OUT8**.
  Use these names for additional output settings.

Refer to the VRP-100RU operation manual for details on output channel settings.

◆ **HVS-490**
  Each option channel should be set up in the [SETUP - OUTPUT - AUX OUT] menu.
  Additional output channels on SLOT A are called **AUX13** and **AUX14**.
  Additional output channels on SLOT B are called **AUX17** and **AUX18**.
  Use these names for additional output settings.

Refer to the HVS-490 operation manual for details on output channel settings.
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