**FOR.A®**

INNOVATIONS IN VIDEO
and AUDIO TECHNOLOGY

# INSTALLATION GUIDE

## HVS-100AI
HD/SD Analog Input Card

## HVS-100DI-A
HD/SD Digital Input Card

## HVS-100PCI
PC Input Card

3rd Edition - Rev.1

FOR-A COMPANY LIMITED

# Prior to Starting

HVS-100AI, HVS-100DI-A, and HVS-100PCI are input expansion cards for HVS-100, HVS-2000 and HVS-490 units.
HVS-100DI-A and HVS-100PCI are input 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-100AI**

| ITEM | QTY | REMARKS |
|---|---|---|
| HVS-100AI | 1 | 2-input analog expansion card |
| Conversion cable | 1 | Conversion cable for Ch2 (PC-3275) |
| Connector retainer for conversion cable | 1 set | For retaining the Mini-DIN connector of the cable |
| Screws | 2 | Spare screws for securing the card |
| Installation guide | 1 | (This guide) |

◆ **HVS-100DI-A**

| ITEM | QTY | REMARKS |
|---|---|---|
| HVS-100DI-A | 1 | 4-input digital expansion card |
| Screws | 2 | Spare screws for securing the card |
| Installation guide | 1 | (This guide) |

◆ **HVS-100PCI**

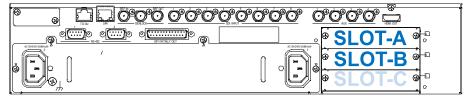| ITEM | QTY | REMARKS |
|---|---|---|
| HVS-100PCI | 1 | 2-input PC expansion card |
| Screws | 2 | Spare screws for securing the card |
| Installation guide | 1 | (This guide) |

| ⚠ **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. |
|---|---|

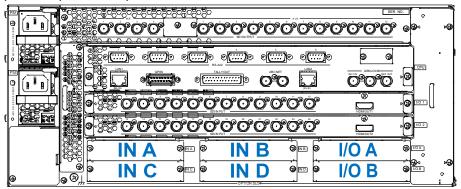# 1. Installing Input Cards

## 1-1. Card Installation Slots

◆ **HVS-100**

The HVS-100AI, HVS-100DI-A, and/or HVS-100PCI cards can be installed into **SLOT-A** and **SLOT-B** from the HVS-100 rear panel. Note that the **SLOT-B** can accept both input and output cards.
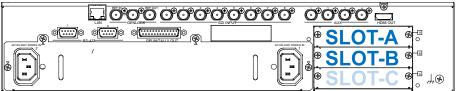


◆ **HVS-2000**

Up to 6 input cards of HVS-100AI, HVS-100DI-A, and/or HVS-100PCI can be installed into slots, **IN A**, **IN-B**, **IN-C**, **IN-D**, **I/O A** and/or **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.
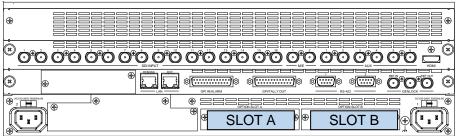


◆ **VRP-100**

The HVS-100DI-A, and/or HVS-100PCI 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-100AI, HVS-100DI-A, and/or HVS-100PCI 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 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 input card(s) you have installed into the slot(s) is properly recognized.


◆ **HVS-100**

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

```
STATUS  :SLOT-A   >HVS-100DI-A  > v01-00 : 1/3
OPTION  :SLOT-B   >HVS-100AI    > v01-00 :
```

◆ **HVS-2000**

Open the [STATUS > OPTION] menu. Check that the input 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 Input Card(s) you have installed into the slot(s) is recognized.


◆ **HVS-490**

Open the [STATUS > OPTION] menu. Check that the input card(s) you have installed into the slot(s) is recognized.

# 2. Input Channels

Each card provides four or two channels of input and each channel can be independently set.

◆ **HVS-100**

Each option channel should be set up in the [SETUP - INPUT - SIGNAL] menu.
Additional input channels on SLOT-A are called **INA1** to **INA4**.
Additional input channels on SLOT-B are called **INB1** and **INB2**.
Input signal names of these channels are initially assigned to **INPUT09** to **INPUT14** (**IN09** to **IN14**).
Use these names for additional input settings.

> **IMPORTANT**
>
> Note that the HVS-100DI-A card provides **four** inputs when installed into **SLOT-A**, however only **two** inputs are provided when installed into **SLOT-B**.

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

◆ **HVS-2000**

Each option channel should be set up in the [SETUP > INPUT > SIGNAL] menu.
Input signal names are initially fixed for each slot as shown in the above table (although they can be changed). Use these names to set up additional input signals.
Use these names for additional input settings.

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

◆ **VRP-100**

Each option channel should be set up in the [IO - IN] menu on the VRP-100RU.
Additional input channels on SLOT-A are called **INA1** to **INA4**.
Additional input channels on SLOT-B are called **INB1** and **INB2**.
Use these names for additional input settings.

> **IMPORTANT**
>
> Note that the HVS-100DI-A card provides **four** inputs when installed into **SLOT-A**, however only **two** inputs are provided when installed into **SLOT-B**.

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

◆ **HVS-490**

Each option channel should be set up in the [SETUP > INPUT > SIGNAL] menu.
Additional input channels on SLOT A are called **IN33** to **IN36**.
Additional input channels on SLOT B are called **IN37** to **IN40**.
Use these names for additional input settings.

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

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