

 **Roland®**  
**ADA-7000**  
24-BIT 8 CH  
AD/DA CONVERTER

# TurboStart

## It's a Fact...

The ADA-7000 is an 8-channel, 24-bit A/D-D/A converter for use with select Roland R-Bus compatible V-Mixers and the VSR-880 Digital Studio Recorder. Features include:

- Analog inputs: 8 balanced XLR jacks (with phantom power supply) and 8 1/4-inch jacks
- Analog outputs: 8 balanced XLR jacks and 8 RCA jacks
- Programmable gain control using R-BUS signal from VM-7000 mixer series
- 96kHz compatibility for use with future Roland products
- Convenient 2U rack space design

## Connecting to the VM-3100Pro

Use the following procedure to set-up the ADA-7000 for use with the VM-3100Pro:

1. Power off all devices.
2. Connect the VM-3100Pro to the ADA-7000 with the R-Bus cable provided with the ADA-7000.
3. Turn on the ADA-7000, then the VM-3100Pro.
4. Press CLOCK SOURCE on the ADA-7000 to select "R-Bus" as the sampling clock.

Set up the VM-3100Pro as follows:

5. Press the SYSTEM/CONTRAST button.
6. Rotate the TIME/VALUE dial to select "INTERNAL."
7. Press LEVEL METER to exit.

## Connecting to the VSR-880

Use the following procedure to set-up the VSR-880 for use with the ADA-7000:

1. With the power off to all devices, connect the VSR-880 to the ADA-7000 with the R-Bus cable.
2. Turn on the ADA-7000, then the VSR-880.
3. Press CLOCK SOURCE on the ADA-7000 to select "R-Bus" as the sampling clock.

Set up the VSR-880 as follows:

4. Hold down SHIFT and press SYSTEM. "SYS SYSTEM PRM?" will appear in the display.
5. Press ENT/YES.
6. Use the TIME/VALUE dial to select "SYS MasterCik=INT."
7. Press ENT/YES to confirm the setting.
8. Press PLAY/DISPLAY to exit.

## Connecting to the VM-7000 Mixer

*Note: To connect the VM-7200/7100 and the ADA-7000 via R-Bus, a VM-24E I/O Expansion Board (sold separately) must be installed in the processor.*

1. With the power off to all devices, connect the VM-7200/7100 to the ADA-7000 with the R-Bus cable provided with ADA-7000.
2. Turn the power on the ADA-7000 first, then the VM-7200/7100 processor. Wait for the VM-7200/VM-7100 control status to change to green, then turn on the VM-C7200/C7100 console.
3. Press CLOCK SOURCE on the ADA-7000 to "R-Bus" to set the sampling clock.

Set up the VM-7000 as follows:

4. Hold down SHIFT and press PROJECT on the VM-C7200/C7100 console.
5. Press the DOWN cursor to select the second row of the SYSTEM MENU.
6. Press F1 [DIGITAL I/O].
7. Press the DOWN cursor to select "WORD CLOCK SOURCE."
8. Use the V1 knob to select "INTERNAL" .
9. Press F1 [SET] to confirm the setting.

## Controlling the ADA-7000 remotely from the VM-7000 Mixer

Use the following procedure for controlling the gain and phantom power settings from the VM-7000:

1. Press MULTI-IN 1-24 in the "SECTION" block.
2. Press PREAMP GAIN in the "PARAM VIEW."
3. Move the fader to adjust the input's gain setting from -4 dB to + 64 dB.
4. Press the corresponding F1, F2, F3, F4, F5 or F6 button to turn phantom power on or off.