

Nuendo / 02R96 Setup and Operation – V2

This document describes setup and operation for remote control of Nuendo from the 02R96 digital mixing console. These instructions apply to 02R96 V2.0 or higher and Nuendo V2.20 or higher.

Driver Installation

- 1) Connect your PC or Macintosh computer
The 02R96 should be connected to your computer by connecting the TO HOST USB port on the 02R96 to a USB port on your computer.
- 2) Install Driver
Once your computer is connected, you will need to install the USB-MIDI driver included on the 02R96 CD-ROM. The latest driver can also be downloaded from www.yamahaproaudio.com

Configuring 02R96 V2

- 1) Press the [SETUP] display access key and select the MIDI/TO HOST screen.
- 2) Set the DAW port assignment to USB 1-4, or set this parameter to USB 2-5 if you will also be using the Studio Manager 02R96 Editor software. Note: you must use USB ports 2-5 for DAW Control and USB port 1 for Studio Manager if you intend to use these two applications simultaneously.
- 3) Press the [REMOTE] display access key and assign NUENDO as the Target for the Remote layer.
See “Assigning Targets to Remote Layers” in the 02R96 manual for more information.
- 4) Press the [MACHINE CONTROL] display access key and select DAW Control as the function for the transport and locate keys. This allows the Nuendo transport to be controlled regardless of whether a Remote or Internal mixing layer is active.
- 5) Press the [REMOTE] LAYER button to select the Nuendo Remote Control Layer. When the Nuendo Remote Control Layer is selected, the 02R96’s control surface controls Nuendo rather than the internal mixing of the 02R96. In order to control the 02R96, you need to select an Input Channel Layer or the Master Layer. Audio mixing on the Input and Master Layers, and Automix continues while the Nuendo Layer is selected.

Configuring Nuendo V2.2.0 or higher for Windows

- 1) Click on the 'Devices' menu and select 'Device Setup'.
- 2) Click on the 'Add/Remove' tab, then highlight 'Yamaha 02R96 V2' and click 'Add'. This will cause Yamaha 02R96 V2 to appear in the Devices column on the left side of this window.
- 3) Click on the 'Setup' tab. Highlight 'Yamaha 02R96 V2' in the left column, and select the correct MIDI input from the drop-down menu. For example, if you have chosen USB 1-4 as the DAW port on 02R96 V2, select 'YAMAHA USB 0-1' from the drop down menu for MIDI input. If you have chosen USB 2-5 on 02R96 V2, choose 'YAMAHA USB 0-2'. Then select the same port number for MIDI output. After making these selections, the other USB ports are automatically assigned. Nuendo remote control from 02R96 V2 uses a total of four USB-MIDI ports.
- 4) In the grid below the MIDI port assignments, the functions of various USER DEFINED keys on the 02R96 can be assigned. Some USER DEFINED keys have permanent assignments so they are not available in this list. These functions are described later in this document.
- 5) After completing these assignments, click 'Apply' towards the bottom of the Device Setup window. Then click 'OK' to exit this window.

Configuring Nuendo V2.2.0 or higher for Mac OS X

- 1) Click on the 'Devices' menu and select 'Device Setup'.
- 2) Click on the 'Add/Remove' tab, then highlight 'Yamaha 02R96 V2' and click 'Add'. This will cause Yamaha 02R96 V2 to appear in the Devices column on the left side of this window.
- 3) Click on the 'Setup' tab. Highlight 'Yamaha 02R96 V2' in the left column, and select the correct MIDI input from the drop-down menu. For example, if you have chosen USB 1-4 as the DAW port on 02R96 V2, select 'YAMAHA 02R96 Port 1' from the drop down menu for MIDI input. If you have chosen USB 2-5 on 02R96 V2, choose 'YAMAHA 02R96 Port 2'. Then select the same port number for MIDI output. After making these selections, the other USB ports are automatically assigned. Nuendo remote control from 02R96 V2 uses a total of four USB-MIDI ports.
- 4) In the grid below the MIDI port assignments, the functions of various USER DEFINED keys on the 02R96 can be assigned. Some USER DEFINED keys

have permanent assignments so they are not available in this list. These functions are described later in this document.

- 5) After completing these assignments, click ‘Apply’ towards the bottom of the Device Setup window. Then click ‘OK’ to exit this window.

Controlling Nuendo

Input Channel Controls

Faders 1-24 control the levels of Nuendo channels 1-24.

(Refer to the User Defined Keys description below for information about accessing Nuendo channels beyond 1-24.)

The first four characters of the names of the Nuendo channels appear in the LCD of 02R96 when the CHANNEL display is selected by the F3 display key. Also PAN position is displayed here and can be adjusted with the channels’ rotary encoders. 02R96’s ON switches control Nuendo’s channel MUTEs and the SOLO and SEL switches also control Nuendo’s corresponding functions. The AUTO switches on 02R96 control Nuendo’s Automation Read function.

For surround panning, pressing the PAN ENCODER MODE switch alternates the function of the encoder between Left-Right and Front-Back panning. When the encoder is functioning in PAN mode, pushing the encoder will activate the MONITOR switch in Nuendo.

By changing the 02R96’s ENCODER MODE to AUX/MTRX, Nuendo’s SENDS can be controlled. Sends 1-8 can be selected with the 02R96’s AUX SELECT switches. Then turning the channel rotary encoders will adjust the send level, with the level shown in the LCD screen. In this mode, each send can be switched On/Off by pressing the encoder.

Selected Channel Functions

Pressing any of the DISPLAY switches in the SELECTED CHANNEL section of 02R96 will cause the VST Audio Channel Settings window to open in Nuendo.

EQ

The four bands of EQ GAIN, FREQUENCY and Q on 02R96 control the same functions on the selected Nuendo channel, and the parameter value is displayed on the console. To switch an EQ band On or Off, hold down the FREQUENCY/Q encoder for one second.

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PANNING

The PAN encoder and the JOYSTICK on 02R96 control the pan functions of Nuendo. Even if there is no surround panning enabled, the joystick can be used for Left-Right panning.

LCD Screen & Insert Editing

Pressing the EFFECTS DISPLAY switch will switch the LCD screen between showing parameter values or parameter names.

Press the PLUG-INS switch to see Routing information on the LCD. The encoder below the screen can be used to control the following functions:

- Encoder 1 chooses the Output Bus for the selected channel
- Encoder 2 switches the Monitor On/Off (by pressing or turning the encoder)
- Encoder 3 selects the Input bus
- Encoder 4 edits the Input Gain (the encoder must be pressed down while turning)

When the CHANNEL INSERTS switch is pressed on 02R96, the LCD shows Insert information for the selected channel.

- Encoder 1 selects which insert is to be edited
- Encoder 2 switches the insert On/Off (by turning, not pressing)
- Encoder 3 selects the type of effect to insert

Transport & Automation

Ensure that DAW CONTROL is selected in the LOCATE MEMORY screen of the MACHINE CONTROL display menu on 02R96.

TRANSPORT CONTROLS

The following Transport functions can be controlled from 02R96:

- REC
- PLAY
- STOP
- FF
- REW
- SCRUB

LOCATE FUNCTIONS

The LOCATE 1-8 and SET functions also control the corresponding functions in Nuendo. To set a locate point (Marker in Nuendo), hold the SET switch on 02R96, and press the required LOCATE MEMORY switch at the required time. Note: 02R96 must be in the Nuendo Remote Layer in order to set Markers.

User Defined Keys

When 02R96 is used to remotely control Nuendo, the following User Defined Keys have permanently assigned functions:

- UDEF 1: Open or closes the VST Mixer window
- UDEF 2: Switches On/Off Automation READ for all Nuendo channels
- UDEF 3: Switches On/Off Automation WRITE for all Nuendo channels
- UDEF 9: Scrolls channels down in banks of 8
- UDEF 10: Scrolls channels up in banks of 8

Other User Defined Keys (UDEF 4-8 and 12-16) can be programmed by the user to control various Nuendo functions. These functions can be selected in the DEVICE SETUP of Nuendo, by selecting “YAMAHA 02R96 V2” and choosing the Setup tab.

Other Functions

ZOOM & NAVIGATION

The 02R96 CURSOR keys (next to the Scrub Wheel) have two different functions. Their mode can be changed by pressing the INC key above the cursor keys. The mode is shown on the LCD display.

- ZOOM mode: the cursor keys control the vertical and horizontal zoom of the Project Window.
- NAVIGATION mode: the cursor keys control the selection of channels and objects in the Project Window.

TIME COUNTER

The TIME COUNTER is displayed on the 02R96 LCD screen, with the counter mode (TIME CODE / FEET / BEATS). If “Samples” is selected in Nuendo, then no selection is displayed in the 02R96 LCD.

METERS

The 02R96 meter bridge displays Nuendo’s input channel levels when the REMOTE layer is selected. These can also be seen on the LCD, by pressing the F4 display key (labelled METER).