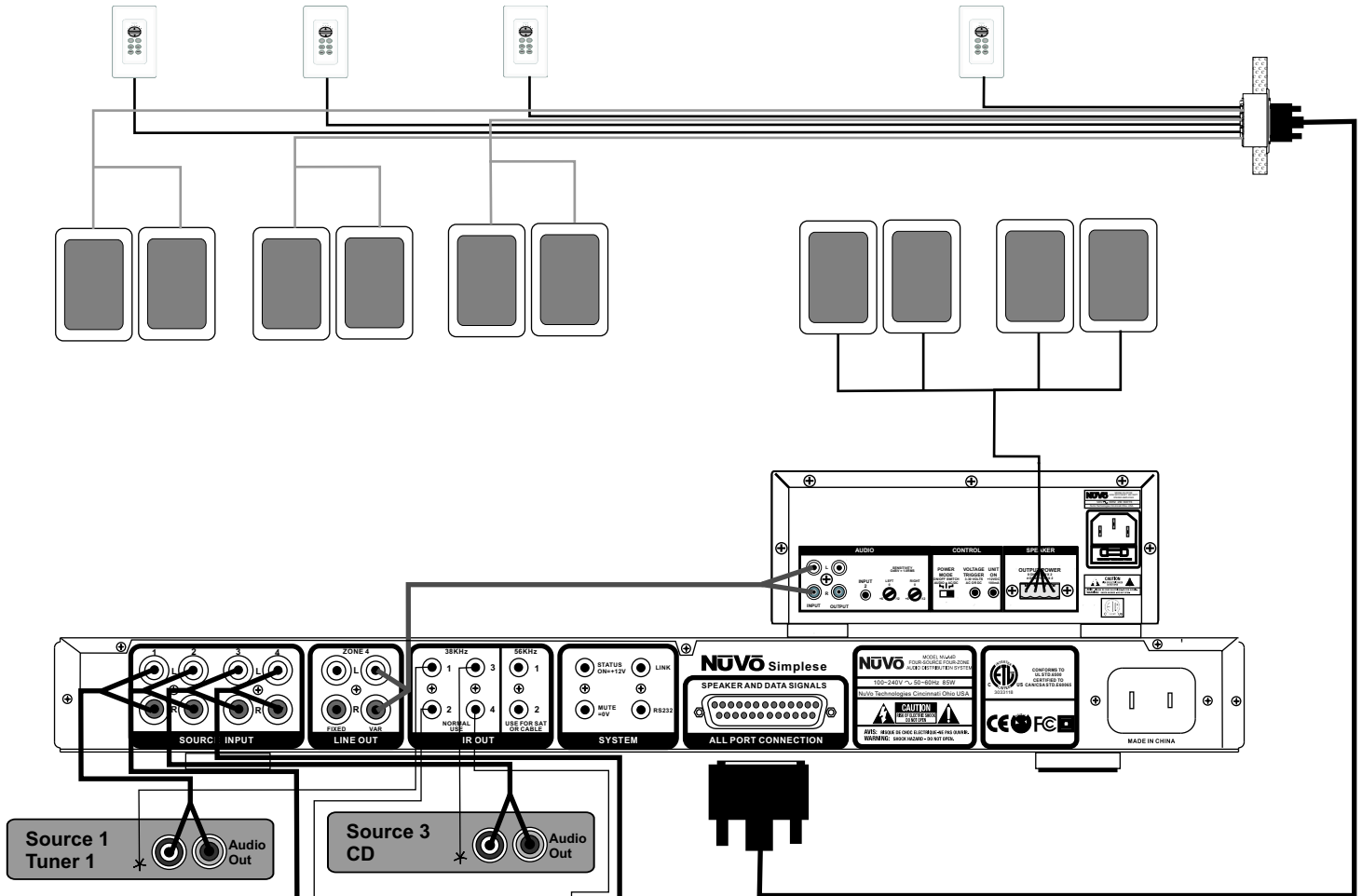


# NUVO®

## Simplese D Installation Guide



## Simplese D Wiring Diagram

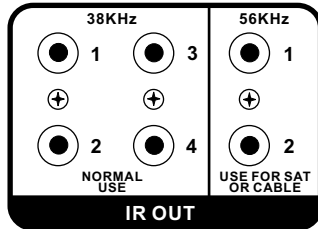
**Step 1 Prewire:** The Simplese D System uses Cat-5 wire for keypad control and either 2 or 4 conductor 16 gauge speaker wire. The termination for the Cat-5 wire is standard 568A. Simplese uses an RJ-45 connector on each end of the Cat-5. Note that both the speaker wire and Cat-5 are run to the Allport location at the equipment rack or cabinet.

**Step 2 Allport™ Termination:** Both the speaker wire and Cat-5 cables terminate into the backside of the Allport. The order of Cat-5 plug-ins is irrelevant to the operation of the system, but it is recommended that you label the Cat-5 wires for future reference. Follow the zone and polarity labeling for the speaker wires. The final connection from the Allport is made with the Allport Cable supplied with the Simplese D System.

**Step 3 Connecting Audio Sources:** The Simplese D system will accept up to four independent audio sources. This is done with stereo RCA audio cables from the audio output on each source to the appropriate source input on the back of the Simplese amplifier.

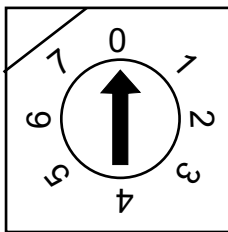
**Step 4 IR Outputs:** The Simplese D System ships with four IR emitters for transferring IR data from the keypad receivers (located under the volume button) to the IR receiver on each piece of source equipment. There are two separate IR output sections. The 38K outputs are used most all audio sources. The exception to this frequency are cable and satellite boxes. They operate at a higher IR carrier frequency around 56K. A second source one and two 56K output is available for these devices, see fig. 1. It is important that the output being used for each source matches the source input number. The outputs are individual for each source to allow independent source control. Simply plug the emitter into the appropriate IR output on the back of the Simplese amplifier and attach the flasher end over the IR receiver on the source equipment.

Fig. 1: 38KHz and 56KHz IR Outputs



**Step 5 Keypad Setup:** Each keypad requires a specific zone setting to establish the keypad's location. This setting is made on the back of the keypad using an eight position rotary switch. To set the switch, place a small slot-head screwdriver in the slot in the switch and turn it clockwise to the appropriate zone number 1-4, fig. 2. The remaining switch positions, 5-0 allow for an additional keypad in each zone. Position 5 corresponds to zone 1, 6 to zone 2, 7 to zone 3, and 0 to zone 4.

Fig. 2: Zone setting rotary switch



**Step 6 EQ Control, and Source Grouping:** The keypads can be used to set specific zone functions. These are bass and treble EQ response, and source grouping. To change bass response, press the Mute button and Source 1 button simultaneously. Adjust the bass level up or down by using the volume up and volume down buttons. The volume indicator LEDs will indicate the output level, fig. 3. The default setting is flat. Adjusting treble is the same process and is accessed by pressing the Mute and Source 2 buttons. Once the desired setting is made, press the Source button again and that returns the keypad to normal operation. Source grouping is a featured that allows multiple zones in an open living space to always share the same source selection, but still retain individual volume and on/off control. This is achieved by pressing Mute and Source 3. Volume Up enables the group function and Volume Down disables the group function and causes the keypad to operate independently of all other groups, fig. 4.

Fig. 3: Zone EQ Control

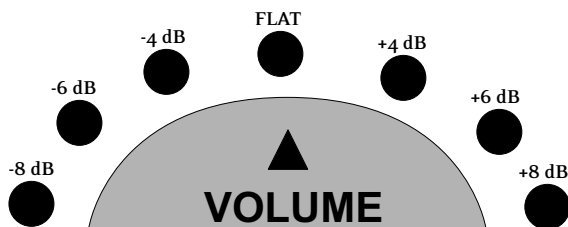
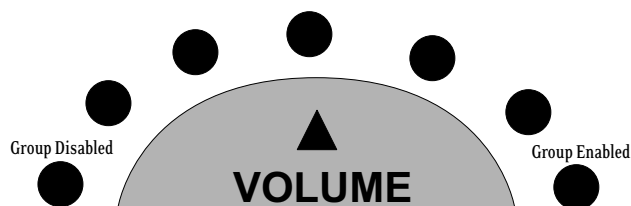


Fig. 4: Zone Group Settings



**Step 7 Final Setup:** Once the sources are plugged in and the keypads are set and installed you should be ready to power on any of the zones and enjoy music from any of the sources.

### Simplese D Specifications

#### Zones 1-6 Power Amplifier Outputs

Continuous Average Output Power	30W (15W x 2)
Two channels driven 30-20kHz @1% THD	
Rated Distortion (1/2 power)	0.40%
Rated Impedance	6 Ohms
Damping Factor	50+
50/60Hz	
Frequency Response (20-20kHz)	"±2dB

#### Preamplifier Section

Variable output	0-600mV
Fixed output	600mV
Impedance	600 Ohms

#### Source Inputs 1-4

input Impedance	10K
Input Sensitivity for rated power	300mV RMS
Input Overload	3V RMS

#### Emitter Outputs

Source Outputs	4
Output Drive Current	100mA
Output Drive Voltage	12V
Compatible with single and dual emitters	

#### System

System On	12V @ 50mA
External Mute	3-12V DC

#### Power Requirements

Power Supply	90-260VAC
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Power Consumption all channels driven to full-rated power	140W
Cover Consumption average operating conditions	30W
Power Consumption no signal	10W

#### Physical Specifications

Unit Size Millimeters	44 x 430 x 270
Unit Size Inches	1.75 x 17 x 10.625
Unit Weight Kilograms	2.95
Unit Weight Pounds	6.5

NuVo reserves the right to change specifications without notice.