

<b>Ethernet 16-port Switch (w/ Supply)</b>	"LAN Switch C (local) Tier 2 (Line)"	Netgear: JGS516	Tag Number 0504
--------------------------------------------	--------------------------------------	-----------------	--------------------

**Upstream (Port 1)**

**LAN (Tier 1 to E-Rack 3 - Switch C)**

Ethernet 16-port Switch (w/ Supply)

<i>Superior Address</i> = LAN:(1A)11
<i>Inferior Address</i> = LAN:(2C)1

<i>Upstream Cable</i>				<i>Upstream Wires</i>				<b>Device Connection</b>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-C07 1L-C07	Cat 6 (568)	LAN (Tier 1 to E-Rack 3 - Switch C)	14 White/E-Rack/2	1L-C07	Cat 6	White/Orange	568B (LAN)	Port



**Whole-House Audio, Audio Cntrl/Amp (1 of 3)**
"WHA 8-Channel Amp #1"
Russound: C-Series
Tag Number  
0135

### Left Output / 1

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)1

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1D-R06 1D-R06/07	16-4	Fitness Room: Background Audio L (North) Zone 1-1a	33 Fitness Room	1D-R06/07	16	Red	Speaker +	Left 1+
1D-R08 1D-R08/09	16-4	Fitness Room: Background Audio L (North) Zone 1-1b	33 Fitness Room	1D-R08/09	16	Red	Speaker +	Left 1+
				1D-R08/09	16	Black	Speaker -	Left 1-

### Fitness Room: Background Audio L (North) Zone 1-1

### Left Output / 2

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)2

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-R01 1L-R01/02	16-4	Mech Room: Background Audio L (South) Zone 1-2	16 Mech Room	1L-R01/02	16	Red	Speaker +	Left 2+
				1L-R01/02	16	Black	Speaker -	Left 2-

### Mech Room: Background Audio L (South) Zone 1-2

### Left Output / 3

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)3

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1E-R01 1E-R01/02	16-4	Lobby: Background Audio L (South) Zone 1-3	37 Lobby	1E-R01/02	16	Red	Speaker +	Left 3+
				1E-R01/02	16	Black	Speaker -	Left 3-

### Lobby: Background Audio L (South) Zone 1-3

### Left Output / 4

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)4

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-R05 1G-R05	16-2	Lounge Sitting Area: Background Audio L (West) Zone 1-4	65 Lounge Sitting Area	1G-R05	16	Red	Speaker +	Left 4+
				1G-R05	16	Black	Speaker -	Left 4-

### Lounge Sitting Area: Background Audio L (West) Zone 1-4

### Left Output / 5

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)5

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1K-R01 1K-R01	16-2	Shop: Background Audio, L (South) Zone 1-5	51 Shop	1K-R01	16	Red	Speaker +	Left 5+
				1K-R01	16	Black	Speaker -	Left 5-

### Shop: Background Audio, L (South) Zone 1-5

### Left Output / 6

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)6

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2M-R07 2M-R07/08	16-4	Walkout Patio: Background Audio L (Southwest) Zone 1-6	73 Walkout Patio	2M-R07/08	16	Red	Speaker +	Left 6+
				2M-R07/08	16	Black	Speaker -	Left 6-

### Walkout Patio: Background Audio L (Southwest) Zone 1-6

### Left Output / 7

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xL)7

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2A-R07 2A-R07/08	16-4	Master BR: Background Audio L (West) Zone 1-7	51 Master BR	2A-R07/08	16	Red	Speaker +	Left 7+
				2A-R07/08	16	Black	Speaker -	Left 7-

### Master BR: Background Audio L (West) Zone 1-7

## Left Output / 8

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xL)8

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2B-R12 2B-R12/13	16-4	Master Bath: Background Audio L (South) Zone 1-8	52 Master Bath

## Master Bath: Background Audio L (South) Zone 1-8

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-R12/13	16	Red	Speaker +	Left 8+
2B-R12/13	16	Black	Speaker -	Left 8-

## Right Output / 1

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)1

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1D-R07 1D-R06/07	16-4	Fitness Room: Background Audio R (South) Zone 1-1a	33 Fitness Room
1D-R09 1D-R08/09	16-4	Fitness Room: Background Audio R (South) Zone 1-1b	33 Fitness Room

## Fitness Room: Background Audio R (South) Zone 1-1

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1D-R06/07	16	Green	Speaker +	Right 1+
1D-R06/07	16	White	Speaker -	Right 1-
1D-R08/09	16	Green	Speaker +	Right 1+
1D-R08/09	16	White	Speaker -	Right 1-

## Right Output / 2

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)2

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1L-R02 1L-R01/02	16-4	Mech Room: Background Audio R (North) Zone 1-2	16 Mech Room

## Mech Room: Background Audio R (North) Zone 1-2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-R01/02	16	Green	Speaker +	Right 2+
1L-R01/02	16	White	Speaker -	Right 2-

## Right Output / 3

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)3

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1E-R02 1E-R01/02	16-4	Lobby: Background Audio R (North) Zone 1-3	37 Lobby

## Lobby: Background Audio R (North) Zone 1-3

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1E-R01/02	16	Green	Speaker +	Right 3+
1E-R01/02	16	White	Speaker -	Right 3-

## Right Output / 4

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)4

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-R06 1G-R06	16-2	Lounge Sitting Area: Background Audio R (East) Zone 1-4	65 Lounge Sitting Area

## Lounge Sitting Area: Background Audio R (East) Zone 1-4

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-R06	16	Red	Speaker +	Right 4+
1G-R06	16	Black	Speaker -	Right 4-

## Right Output / 5

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)5

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1K-R02 1K-R02	16-2	Shop: Background Audio, R (North) Zone 1-5	51 Shop

## Shop: Background Audio, R (North) Zone 1-5

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-R02	16	Red	Speaker +	Right 5+
1K-R02	16	Black	Speaker -	Right 5-

## Right Output / 6

Whole-House Audio, Audio Cntrl/Amp #1

**Output Address =** A1:(1xR)6

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2M-R08 2M-R07/08	16-4	Walkout Patio: Background Audio R (Northeast) Zone 1-6	73 Walkout Patio

## Walkout Patio: Background Audio R (Northeast) Zone 1-6

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R07/08	16	Green	Speaker +	Right 6+
2M-R07/08	16	White	Speaker -	Right 6-

Right Output / 7

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xR)7

Load Cable(s)				Load Cable Wires				Device
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Connection
2A-R08 2A-R07/08	16-4	Master BR: Background Audio R (East) Zone 1-7	51 Master BR	2A-R07/08	16	Green	Speaker +	Right 7+
				2A-R07/08	16	White	Speaker -	Right 7-

Master BR: Background Audio R (East) Zone 1-7

Right Output / 8

Whole-House Audio, Audio Cntrl/Amp #1

Output Address = A1:(1xR)8

Load Cable(s)				Load Cable Wires				Device
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Connection
2B-R13 2B-R12/13	16-4	Master Bath: Background Audio R (North) Zone 1-8	52 Master Bath	2B-R12/13	16	Green	Speaker +	Right 8+
				2B-R12/13	16	White	Speaker -	Right 8-

Master Bath: Background Audio R (North) Zone 1-8

**Whole-House Audio, Audio Cntrl/Amp (2 of 3)**
"WHA 8-Channel Amp #2"
Russound: C-Series
Tag Number  
0167

### Left Output / 1

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)1

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2B-R14	16-4	Study: Background Audio L (West) Zone 2-1	32	2B-R14/15	16	Red	Speaker +	Left 1+
2B-R14/15			Study	2B-R14/15	16	Black	Speaker -	Left 1-

### Study: Background Audio L (West) Zone 2-1

### Left Output / 2

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)2

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2C-R06	16-4	Great Room: Background Audio L (West) Zone 2-2a	38	2C-R06/07	16	Red	Speaker +	Left 2+
2C-R06/07			Great Room	2C-R06/07	16	Black	Speaker -	Left 2-
2C-R08	16-4	Great Room: Background Audio L (West) Zone 2-2b	38	2C-R08/09	16	Red	Speaker +	Left 2+
2C-R08/09			Great Room	2C-R08/09	16	Black	Speaker -	Left 2-

### Great Room: Background Audio L (West) Zone 2-2

### Left Output / 3

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)3

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2C-R10	16-4	Foyer: Background Audio L (South) Zone 2-3	26	2C-R10/11	16	Red	Speaker +	Left 3+
2C-R10/11			Foyer	2C-R10/11	16	Black	Speaker -	Left 3-

### Foyer: Background Audio L (South) Zone 2-3

### Left Output / 4

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)4

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2C-R12	16-4	Dining Room: Background Audio L (East) Zone 2-4	22	2C-R12/13	16	Red	Speaker +	Left 4+
2C-R12/13			Dining Room	2C-R12/13	16	Black	Speaker -	Left 4-

### Dining Room: Background Audio L (East) Zone 2-4

### Left Output / 5

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)5

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2D-R05	16-4	Kitchen: Background Audio L (South) 2-5a	50	2D-R05/06	16	Red	Speaker +	Left 5+
2D-R05/06			Kitchen	2D-R05/06	16	Black	Speaker -	Left 5-
2D-R07	16-4	Kitchen: Background Audio L (South) 2-5b	50	2D-R07/08	16	Red	Speaker +	Left 5+
2D-R07/08			Kitchen	2D-R07/08	16	Black	Speaker -	Left 5-

### Kitchen: Background Audio L (South) 2-5

### Left Output / 6

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xL)6

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2E-R01	16-4	Laundry Room: Background Audio L (West) Zone 2-6a	46	2E-R01/02	16	Red	Speaker +	Left 6+
2E-R01/02			Laundry Room	2E-R01/02	16	Black	Speaker -	Left 6-
2E-R03	16-4	Powder Room: Background Audio L (West) Zone 2-6b	38	2E-R03/04	16	Red	Speaker +	Left 6+
2E-R03/04			Powder Room	2E-R03/04	16	Black	Speaker -	Left 6-

### Laundry Powder & Mud: Audio L (East) Zone 2-6

## Left Output / 7

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xL)7

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-R74 2H-R73	16-4	Garage: Background Audio L (West) Zone 2-7	52 Garage

## Garage: Background Audio L (West) Zone 2-7

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-R73	16	Green	Speaker +	Left 7+
2H-R73	16	White	Speaker -	Left 7-

## Left Output / 8

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xL)8

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2F-R02 2F-R01/02	16-4	Screen Porch: Background Audio L Zone 2-8	68 Screen Porch

## Screen Porch: Background Audio L Zone 2-8

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-R01/02	16	Green	Speaker +	Left 8+
2F-R01/02	16	White	Speaker -	Left 8-

## Right Output / 1

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xR)1

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2B-R15 2B-R14/15	16-4	Study: Background Audio R (East) Zone 2-1	32 Study

## Study: Background Audio R (East) Zone 2-1

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-R14/15	16	Green	Speaker +	Right 1+
2B-R14/15	16	White	Speaker -	Right 1-

## Right Output / 2

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xR)2

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2C-R07 2C-R06/07	16-4	Great Room: Background Audio R (East) Zone 2-2a	38 Great Room
2C-R09 2C-R08/09	16-4	Great Room: Background Audio R (East) Zone 2-2b	38 Great Room

## Great Room: Background Audio R (East) Zone 2-2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-R06/07	16	Green	Speaker +	Right 2+
2C-R06/07	16	White	Speaker -	Right 2-
2C-R08/09	16	Green	Speaker +	Right 2+
2C-R08/09	16	White	Speaker -	Right 2-

## Right Output / 3

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xR)3

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2C-R11 2C-R10/11	16-4	Foyer: Background Audio R (North) Zone 2-3	26 Foyer

## Foyer: Background Audio R (North) Zone 2-3

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-R10/11	16	Green	Speaker +	Right 3+
2C-R10/11	16	White	Speaker -	Right 3-

## Right Output / 4

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xR)4

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2C-R13 2C-R12/13	16-4	Dining Room: Background Audio R (West) Zone 2-4	22 Dining Room

## Dining Room: Background Audio R (West) Zone 2-4

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-R12/13	16	Green	Speaker +	Right 4+
2C-R12/13	16	White	Speaker -	Right 4-

## Right Output / 5

Whole-House Audio, Audio Cntrl/Amp #2

**Output Address =** A1:(2xR)5

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2D-R06 2D-R05/06	16-4	Kitchen: Background Audio R (North) 2-5a	50 Kitchen
2D-R08 2D-R07/08	16-4	Kitchen: Background Audio R (North) 2-5b	50 Kitchen

## Kitchen: Background Audio R (North) 2-5

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2D-R05/06	16	Green	Speaker +	Right 5+
2D-R05/06	16	White	Speaker -	Right 5-
2D-R07/08	16	Green	Speaker +	Right 5+
2D-R07/08	16	White	Speaker -	Right 5-

**Right Output / 6**

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xR)6

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2E-R02 2E-R01/02	16-4	Laundry Room: Background Audio R (East) Zone 2-6a	46 Laundry Room
2E-R04 2E-R03/04	16-4	Mud Room: Background Audio R (East) Zone 2-6b	38 Mud Room

**Laundry Powder & Mud: Audio R (East) Zone 2-6**

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-R01/02	16	Green	Speaker +	Right 6+
2E-R01/02	16	White	Speaker -	Right 6-
2E-R03/04	16	Green	Speaker +	Right 6+
2E-R03/04	16	White	Speaker -	Right 6-

**Right Output / 7**

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xR)7

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-R73 2H-R73	16-4	Garage: Background Audio R (East) Zone 2-7	52 Garage

**Garage: Background Audio R (East) Zone 2-7**

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-R73	16	Red	Speaker +	Right 7+
2H-R73	16	Black	Speaker -	Right 7-

**Right Output / 8**

Whole-House Audio, Audio Cntrl/Amp #2

*Output Address =* A1:(2xR)8

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2F-R01 2F-R01/02	16-4	Screen Porch: Background Audio R Zone 2-8	68 Screen Porch

**Screen Porch: Background Audio R Zone 2-8**

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-R01/02	16	Red	Speaker +	Right 8+
2F-R01/02	16	Black	Speaker -	Right 8-

**Whole-House Audio, Audio Cntrl/Amp (3 of 3)** "WHA 8-Channel Amp #3" Russound: C-Series Tag Number 0168

**Left Output / 1**

**Covered Deck: Background Audio L (Southwest) Zone 3-1**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xL)1

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R05 2M-R05/06	16-4	Covered Deck: Background Audio L (Southwest) Zone 3-1	71 Covered Deck	2M-R05/06	16	Red	Speaker +	Left 1+
				2M-R05/06	16	Black	Speaker -	Left 1-

**Left Output / 2**

**Open Deck: Background Audio L (South) Zone 3-2**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xL)2

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R03 2M-R03/04	16-4	Open Deck: Background Audio L (South) Zone 3-2	54 Open Deck	2M-R03/04	16	Red	Speaker +	Left 2+
				2M-R03/04	16	Black	Speaker -	Left 2-

**Left Output / 3**

**Hot Tub Area: Background Audio L (South) Zone 3-3**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xL)3

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R01 2M-R01/02	16-4	Hot Tub Area: Background Audio L (South) Zone 3-3	59 Hot Tub Area	2M-R01/02	16	Red	Speaker +	Left 3+
				2M-R01/02	16	Black	Speaker -	Left 3-

**Left Output / 4**

**Lakeside Rm: Background Audio L (North) (Zone 3-4)**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xL)4

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-R15 3A-R14/15	16-4	Lakeside Rm: Background Audio L (North) (Zone 3-4)	78 Lakeside Rm	3A-R14/15	16	Green	Speaker +	Left 4+
				3A-R14/15	16	White	Speaker -	Left 4-

**Left Output / 5**

**Woodside Rm: Background Audio L (West) (Zone 3-5)**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xL)5

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-R13 3A-R12/13	16-4	Woodside Rm: Background Audio L (West) (Zone 3-5)	73 Woodside Rm	3A-R12/13	16	Green	Speaker +	Left 5+
				3A-R12/13	16	White	Speaker -	Left 5-

**Right Output / 1**

**Covered Deck: Background Audio R (Northeast) Zone 3-1**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xR)1

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R06 2M-R05/06	16-4	Covered Deck: Background Audio R (Northeast) Zone 3-1	71 Covered Deck	2M-R05/06	16	Green	Speaker +	Right 1+
				2M-R05/06	16	White	Speaker -	Right 1-

**Right Output / 2**

**Open Deck: Background Audio R (North) Zone 3-2**

Whole-House Audio, Audio Cntrl/Amp #3

Output Address = A1:(3xR)2

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-R04 2M-R03/04	16-4	Open Deck: Background Audio R (North) Zone 3-2	54 Open Deck	2M-R03/04	16	Green	Speaker +	Right 2+
				2M-R03/04	16	White	Speaker -	Right 2-



**Right Output / 3**

Whole-House Audio, Audio Cntrl/Amp #3

*Output Address =* A1:(3xR)3

				<i>Load Cable(s)</i>					<i>Load Cable Wires</i>				
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection					
2M-R02	16-4	Hot Tub Area: Background Audio R (North) Zone 3-3	59	2M-R01/02	16	Green	Speaker +	Right 3+					
2M-R01/02			Hot Tub Area	2M-R01/02	16	White	Speaker -	Right 3-					

**Right Output / 4**

Whole-House Audio, Audio Cntrl/Amp #3

*Output Address =* A1:(3xR)4

				<i>Load Cable(s)</i>					<i>Load Cable Wires</i>				
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection					
3A-R14	16-4	Lakeside Rm: Background Audio R (South) (Zone 3-4)	78	3A-R14/15	16	Red	Speaker +	Right 4+					
3A-R14/15			Lakeside Rm	3A-R14/15	16	Black	Speaker -	Right 4-					

**Right Output / 5**

Whole-House Audio, Audio Cntrl/Amp #3

*Output Address =* A1:(3xR)5

				<i>Load Cable(s)</i>					<i>Load Cable Wires</i>				
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection					
3A-R12	16-4	Woodside Rm: Background Audio R (East) (Zone 3-5)	73	3A-R12/13	16	Red	Speaker +	Right 5+					
3A-R12/13			Woodside Rm	3A-R12/13	16	Black	Speaker -	Right 5-					

<b>Whole-House Audio, FM Tuner (1 of 2)</b>	"WHA FM Tuner 1"	Russound (Part TBD)	Tag Number 0425
---------------------------------------------	------------------	---------------------	--------------------

**Input**

**Mech Room: RF (FM Ant 1)**

Whole-House Audio, FM Tuner #1

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Source Wires Wire Color	Wire Function	Device Connection
1L-R03 1L-R03	RG-6	Mech Room: RF (FM Ant 1)		23 White/CN-Panel/3	1L-R03	RG-6	Coax Cable	Coax	FM Ant



<b>Whole-House Audio, FM Tuner (2 of 2)</b>	"WHA FM Tuner 2"	Russound (Part TBD)	Tag Number 0426
---------------------------------------------	------------------	---------------------	--------------------

**Input**

**Mech Room: RF (FM Ant 2)**

Whole-House Audio, FM Tuner #2

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Source Wires Wire Color	Wire Function	Device Connection
1L-R04 1L-R04	RG-6	Mech Room: RF (FM Ant 2)		23 White/CN-Panel/3	1L-R04	RG-6	Coax Cable	Coax	FM Ant



<b>Whole-House Audio, Sirius Tuner (1 of 2)</b>	"WHA SiriusXM Tuner 1"	Russound (Part TBD)	Tag Number 0427
-------------------------------------------------	------------------------	---------------------	--------------------

**Input**

**Mech Room: RF (Sat Radio Ant 1)**

Whole-House Audio, Sirius Tuner #1

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Source Wires Wire Color	Wire Function	Device Connection
1L-R05 1L-R05	RG-6	Mech Room: RF (Sat Radio Ant 1)		23 White/CN-Panel/3	1L-R05	RG-6	Coax Cable	Coax	Sat Ant



<b>Whole-House Audio, Sirius Tuner (2 of 2)</b>	"WHA SiriusXM Tuner 2"	Russound (Part TBD)	Tag Number 0428
-------------------------------------------------	------------------------	---------------------	--------------------

Input

**Mech Room: RF (Sat Radio Ant 2)**

Whole-House Audio, Sirius Tuner #2

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Source Wires Wire Color	Wire Function	Device Connection
1L-R06 1L-R06	RG-6	Mech Room: RF (Sat Radio Ant 2)		23 White/CN-Panel/3	1L-R06	RG-6	Coax Cable	Coax	Sat Ant



**Video Distribution Amp, 4-Ch Composite** "Wx Video Distribution Amp (UPS 2 Power)" tbd (Part TBD) Tag Number 1044

**Video In**

*One other connection in panel.*

*Mech Room: Weather Video Feed*

Video Distribution Amp, 4-Ch Composite

Change

*Output Address =* W2:Z1

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-R14 1L-R14	RG-59	Mech Room: Weather Video Feed	3 This Panel Only	1L-R14	RG-59	Coax Cable	Coax (Video)	IN	

**Video Out / 1**

*Mech Room: Weather Video To Dist Amp 2*

Video Distribution Amp, 4-Ch Composite

Change

*Input Address =* Int:3

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-R15 1L-R15	RG-59	Mech Room: Weather Video To Dist Amp 2	26 White/CN-Panel/6	1L-R15	RG-59	Coax Cable	Coax (Video)	OUT 1	

**Video Out / 2**

*Mech Room: Weather Video To LCD Module #2*

Video Distribution Amp, 4-Ch Composite

Change

*Input Address =* Int:3

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-R16 1L-R16	RG-59	Mech Room: Weather Video To LCD Module #2	26 White/CN-Panel/6	1L-R16	RG-59	Coax Cable	Coax (Video)	OUT 2	

**Video Out / 3**

*Mech Room: Weather Video To TV Matrix*

Video Distribution Amp, 4-Ch Composite

Change

*Input Address =* Int:3

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-R17 1L-R17	RG-59	Mech Room: Weather Video To TV Matrix	18 White/E-Rack/1	1L-R17	RG-59	Coax Cable	Coax (Video)	OUT 3	

**Video Out / 4**

*Mech Room: Weather Video To Vid Surv DVR*

Video Distribution Amp, 4-Ch Composite

Change

*Input Address =* Int:3

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-R18 1L-R18	RG-59	Mech Room: Weather Video To Vid Surv DVR	14 White/E-Rack/2	1L-R18	RG-59	Coax Cable	Coax (Video)	OUT 4	

**Power Adapter (120 Vac)**

*One other connection in panel.*

*Mech Room: Wx Video Amp Power Adapter*

Video Distribution Amp, 4-Ch Composite

Change

*Input Address =* Int:3

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-P26 1L-P26	Plug	Mech Room: Wx Video Amp Power Adapter	3 This Panel Only	1L-P26	Plug	Narrow Spade	Hot	Narrow	
				1L-P26	Plug	Wide Spade	Neutral	Wide	

<b>Weather CPU</b>	"Weather Monitor CPU (UPS 2 Power)"	(Part TBD) <span style="float: right;">Tag Number 0438</span>
--------------------	-------------------------------------	-------------------------------------------------------------------

### Upstream (Port 1)

Weather CPU

*Superior Address =* LAN:(0)05

*Upstream Cable*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1L-C19 1L-C19	Cat 6 (568)	LAN (Tier 0 to Weather)	14 White/E-Rack/2

### LAN (Tier 0 to Weather)

*Upstream Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C19	Cat 6	White/Orange	568B (LAN)	LAN Port

### Serial Input / Port 1

Weather CPU

*Input Address =* W2:X1

*Source Cable(s)*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2M-S22 2M-S22	Cat 5e	Covered Deck: Barometric Pressure Sensor (Serial)	58 Covered Deck

### Covered Deck: Barometric Pressure Sensor (Serial)

*Source Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-S22	Cat 5e	White/Orange	D+	Port 1 D+
2M-S22	Cat 5e	Orange	D-	Port 1 D-
2M-S22	Cat 5e	White/Green	GND (a)	GND (a)
2M-S22	Cat 5e	Green	GND (b)	GND (b)

### Serial Input / Port 2

Weather CPU

*Input Address =* W2:X2

*Source Cable(s)*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
4A-S21 4A-S21	Cat 5e	Roof - ^ Upper Level: Anemometer (Data)	84 Roof - ^ Upper Level

### Roof - ^ Upper Level: Anemometer (Data)

*Source Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
4A-S21	Cat 5e	White/Orange	D+	Port 2 D+
4A-S21	Cat 5e	Orange	D-	Port 2 D-
4A-S21	Cat 5e	White/Green	GND (a)	GND (a)
4A-S21	Cat 5e	Green	GND (b)	GND (b)

### Serial Input / Port 3

Weather CPU

*Output Address =* W1:Y1

*Input Address =* W2:X3

*Source Cable(s)*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1L-C22 1L-C22	Cat 5e	Mech Room: Weather Data Serial Bus	26 White/CN-Panel/6

### Mech Room: Weather Data Serial Bus

*Source Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C22	Cat 5e	White/Orange	D+	Port 3 D+
1L-C22	Cat 5e	Orange	D-	Port 3 D-
1L-C22	Cat 5e	White/Green	GND (a)	GND (a)
1L-C22	Cat 5e	Green	GND (b)	GND (b)

### Video Out

Weather CPU

*Output Address =* W2:Z1

One other connection in panel.

*Load Cable(s)*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1L-R14 1L-R14	RG-59	Mech Room: Weather Video Feed	3 This Panel Only

### Mech Room: Weather Video Feed

*Load Cable Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-R14	RG-59	Coax Cable	Coax (Video)	Video Out

### Power Adapter (120 Vac)

Weather CPU

One other connection in panel.

### Wx CPU Power In

*Source Cable(s)*

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1L-P34 1L-P34	Plug	Wx CPU Power In	3 This Panel Only

*Source Wires*

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-P34	Plug	Narrow Spade	Hot	Hot
1L-P34	Plug	Wide Spade	Neutral	Neutral

<b>Power Supply, 24 Vdc, 100W DIN</b>	"Anemometer Heater, 24 Vdc @ 2.5A"	Lambda: DSP100-24
		Tag Number 0279

**Power Output**

24 Vdc, 5A Supply Module

**Roof - ^ Upper Level: Anemometer (Heater)**

			<i>Load Cable(s)</i>		<i>Load Cable Wires</i>				
<i>Output</i>	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
tbd	4A-A02	16-2	Roof - ^ Upper Level: Anemometer (Heater)	84	4A-A02	16	Red	+24 Vdc	+24 Vdc
	4A-A02			Roof - ^ Upper Level	4A-A02	16	Black	Power Return	Return



<b>Transformer, 24 Vac, 50W (1 of 2)</b>	"Rain Gauge Heater Xformer, 24 Vac @ 0.75 A"	(Part TBD)	Tag Number 0245
------------------------------------------	----------------------------------------------	------------	--------------------

**Power Output**

**Southeast Garden: Rain Gauge Heater**

Transformer, 24 Vac, 50W #1

Output	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Load Cable Wires				Device Connection
					Cable ID	AWG	Wire Color	Wire Function	
tdb	2M-A02	14-2	Southeast Garden: Rain Gauge Heater	50	2M-A02	14	Red	24 Vac	Secondary A
	2M-A02		Southeast Garden	2M-A02	14	Black	24 Vac Return	Secondary B	

**Power Output**

**Roof - ^ Screen Porch: DirecTV Antenna Heater**

Transformer, 24 Vac, 50W #1

Output	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Load Cable Wires				Device Connection
					Cable ID	AWG	Wire Color	Wire Function	
tdb	4A-A03	16-2	Roof - ^ Screen Porch: DirecTV Antenna Heater	67	4A-A03	16	Black	24 Vac Line A	Secondary A
	4A-A03		Roof - ^ Screen Porch (Antenna, DirecTV)	4A-A03	16	Red	24 Vac Line B	Secondary B	

<b>Outlet, Duplex (15A) (1 of 2)</b>	"Duplex Outlet, (Emerg)"	(Part TBD) <small>Tag Number</small> 0287
--------------------------------------	--------------------------	----------------------------------------------

**Power In (120 Vac)**

**White & Yellow Panels Emerg Power**

Outlet, Duplex (15A) #1

Circuit ID <small>Cable ID</small>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-27	12-2	White & Yellow Panels Emerg Power	31	1L-27	12	Black	Hot	Hot
1L-27			Multiple	1L-27	12	White	Neutral	Neutral

<b>Outlet, Duplex (15A) (2 of 2)</b>	"Duplex Outlet, Instrument Heaters"	(Part TBD)	Tag Number 0393
--------------------------------------	-------------------------------------	------------	--------------------

**Power In (120 Vac)**

**Mech Room: Instrument Heater Power**

Outlet, Duplex (15A) #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-65	14-2	Mech Room: Instrument Heater Power	22	1L-65	14	Black	Switched	Hot
1L-65			White/GP-Panel/1	1L-65	14	White	Neutral	Neutral

<b>Outlet, Strip (15A) (1 of 2)</b>	"Outlet Strip, Line Power"	(Part TBD)	Tag Number 0307
-------------------------------------	----------------------------	------------	--------------------

**Power In (120 Vac)**

**Mech Room: White/E-Rack/3 (Line)**

Outlet, Strip (15A) #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-32	12-2	Mech Room: White/E-Rack/3 (Line)	10	1L-32	12	Black	Hot	Hot
1L-32			White/CB-Panel	1L-32	12	White	Neutral	Neutral

<b>Outlet, Strip (15A) (2 of 2)</b>	"Outlet Strip, UPS Loads 2"	(Part TBD)	Tag Number 1204
-------------------------------------	-----------------------------	------------	--------------------

**Power In (120 Vac)**

**UPS Loads 2**

Outlet, Strip (15A) #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-55	14-2	UPS Loads 2	45	1L-55	14	Black	Hot	Hot
1L-55			Multiple	1L-55	14	White	Neutral	Neutral

**Receptacle / Receptacle 1**

*One other connection in panel.*

**Mech Room: Wx Video Amp Power Adapter**

Outlet, Strip (15A) #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-P26	Plug	Mech Room: Wx Video Amp Power Adapter	3	1L-P26	Plug	Narrow Spade	Hot	1 (Hot)
1L-P26			This Panel Only	1L-P26	Plug	Wide Spade	Neutral	1 (Neutral)

**Receptacle / Receptacle 5**

*One other connection in panel.*

**Wx CPU Power In**

Outlet, Strip (15A) #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-P34	Plug	Wx CPU Power In	3	1L-P34	Plug	Narrow Spade	Hot	5 (Hot)
1L-P34			This Panel Only	1L-P34	Plug	Wide Spade	Neutral	5 (Neutral)