Model 230
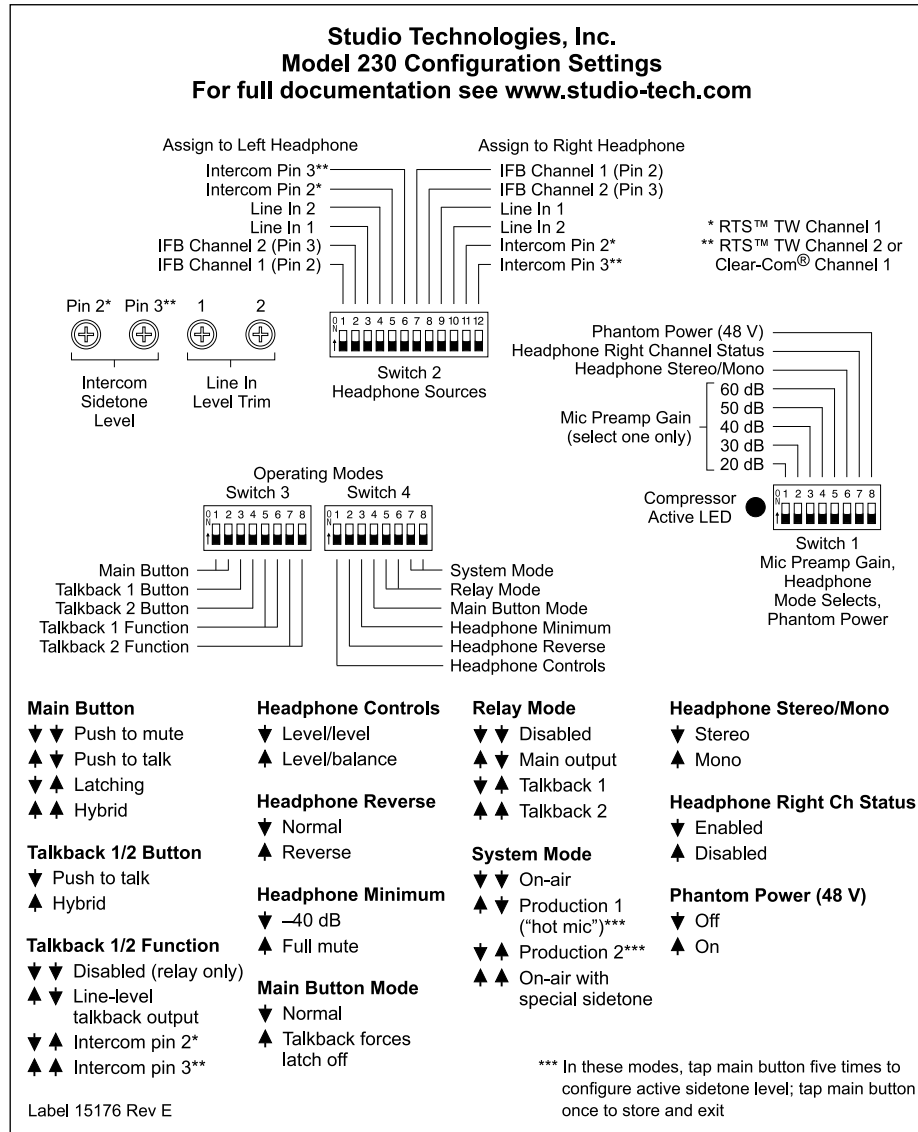
Announcer's Console
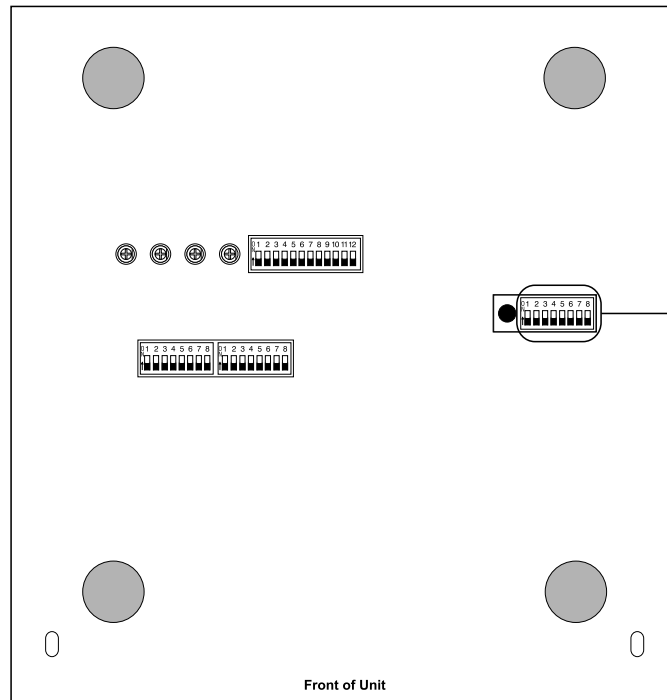
Configuration Guide

Model 230 configuration settings label as affixed to security plate

Studio Technologies, Inc.
Model 230 Configuration Settings
For full documentation see www.studio-tech.com

Assign to Left Headphone
- Intercom Pin 3**
- Intercom Pin 2*
- Line In 2
- Line In 1
- IFB Channel 2 (Pin 3)
- IFB Channel 1 (Pin 2)

Assign to Right Headphone
- IFB Channel 1 (Pin 2)
- IFB Channel 2 (Pin 3)
- Line In 1
- Line In 2
- Intercom Pin 2*
- Intercom Pin 3**

* RTS™ TW Channel 1
** RTS™ TW Channel 2 or
Clear-Com® Channel 1

Pin 2*   Pin 3**   1   2

Intercom
Sidetone
Level

Line In
Level Trim

0 1 2 3 4 5 6 7 8 9 10 11 12

Switch 2
Headphone Sources

Phantom Power (48 V)
Headphone Right Channel Status
Headphone Stereo/Mono

Mic Preamp Gain
(select one only)
- 60 dB
- 50 dB
- 40 dB
- 30 dB
- 20 dB

Compressor
Active LED ●

0 1 2 3 4 5 6 7 8

Switch 1
Mic Preamp Gain,
Headphone
Mode Selects,
Phantom Power

Operating Modes
Switch 3   Switch 4

0 1 2 3 4 5 6 7 8   0 1 2 3 4 5 6 7 8

- Main Button
- Talkback 1 Button
- Talkback 2 Button
- Talkback 1 Function
- Talkback 2 Function

- System Mode
- Relay Mode
- Main Button Mode
- Headphone Minimum
- Headphone Reverse
- Headphone Controls

Main Button
- ▼ ▼ Push to mute
- ▲ ▼ Push to talk
- ▼ ▲ Latching
- ▲ ▲ Hybrid

Talkback 1/2 Button
- ▼ Push to talk
- ▲ Hybrid

Talkback 1/2 Function
- ▼ ▼ Disabled (relay only)
- ▲ ▼ Line-level talkback output
- ▼ ▲ Intercom pin 2*
- ▲ ▲ Intercom pin 3**

Headphone Controls
- ▼ Level/level
- ▲ Level/balance

Headphone Reverse
- ▼ Normal
- ▲ Reverse

Headphone Minimum
- ▼ −40 dB
- ▲ Full mute

Main Button Mode
- ▼ Normal
- ▲ Talkback forces latch off

Relay Mode
- ▼ ▼ Disabled
- ▲ ▼ Main output
- ▼ ▲ Talkback 1
- ▲ ▲ Talkback 2

System Mode
- ▼ ▼ On-air
- ▲ ▼ Production 1 ("hot mic")***
- ▼ ▲ Production 2***
- ▲ ▲ On-air with special sidetone

Headphone Stereo/Mono
- ▼ Stereo
- ▲ Mono

Headphone Right Ch Status
- ▼ Enabled
- ▲ Disabled

Phantom Power (48 V)
- ▼ Off
- ▲ On

*** In these modes, tap main button five times to configure active sidetone level; tap main button once to store and exit

Label 15176 Rev E

Actual size 4.80" x 5.90"
Cut along lines for use as a spare

Model 230 Bottom Panel

Switch 1 Settings
Detailed Below

Front of Unit

SW1-1 through SW1-5 – Mic Preamp Gain

20 dB

30 dB

40 dB

50 dB

60 dB

0 dB (no gain) Factory use only!

SW1-6 – Headphone Output Mode

Stereo

Mono (sums L+R)

SW1-7 – Headphone Right Channel Status

Enabled

Disabled

SW1-8 – Phantom Power (48 V)

Off

On

Model 230 Bottom Panel

Switch 2 Settings
Detailed Below

01 2 3 4 5 6 7 8 9 10 11 12

01 2 3 4 5 6 7 8

01 2 3 4 5 6 7 8   01 2 3 4 5 6 7 8

Front of Unit
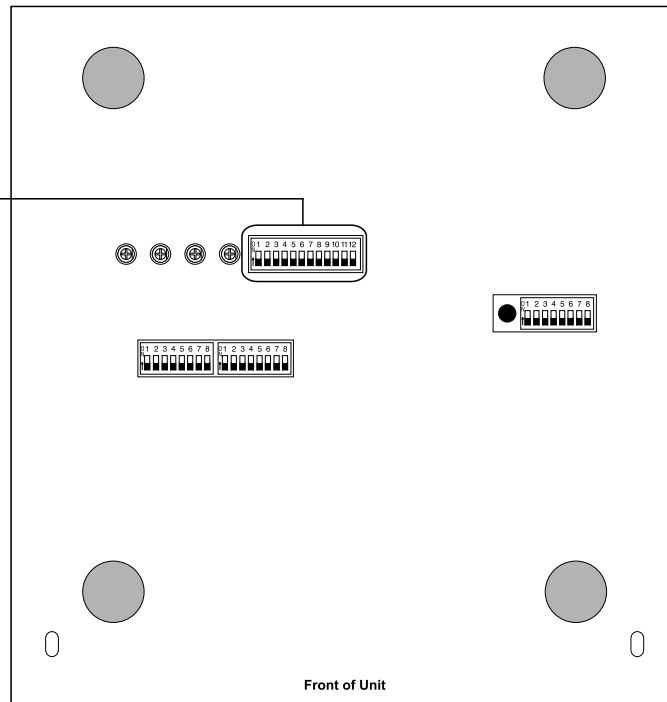
SW2-1 through SW2-6 – Left Channel Headphone Source Selection
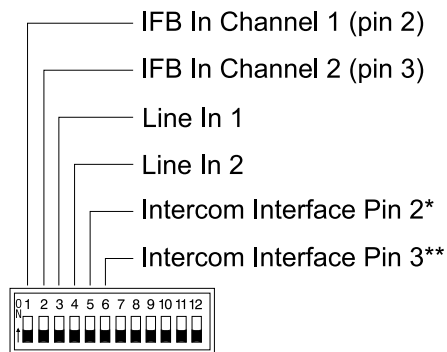
— IFB In Channel 1 (pin 2)

— IFB In Channel 2 (pin 3)

— Line In 1

— Line In 2

— Intercom Interface Pin 2*

— Intercom Interface Pin 3**

ON↑ 01 2 3 4 5 6 7 8 9 10 11 12

On to enable source; multiple sources will sum

* RTS™ TW Channel 1
** RTS™ TW Channel 2, Clear-Com® Channel 1

SW2-7 through SW2-12 – Right Channel Headphone Source Selection
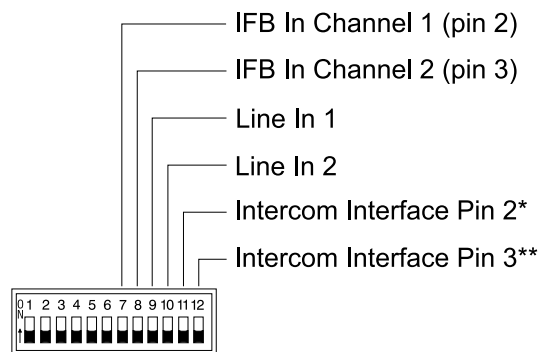
— IFB In Channel 1 (pin 2)

— IFB In Channel 2 (pin 3)

— Line In 1

— Line In 2

— Intercom Interface Pin 2*

— Intercom Interface Pin 3**

ON↑ 01 2 3 4 5 6 7 8 9 10 11 12

On to enable source; multiple sources will sum

* RTS™ TW Channel 1
** RTS™ TW Channel 2, Clear-Com® Channel 1

Model 230 Bottom Panel

Switch 3 Settings
Detailed Below

Front of Unit
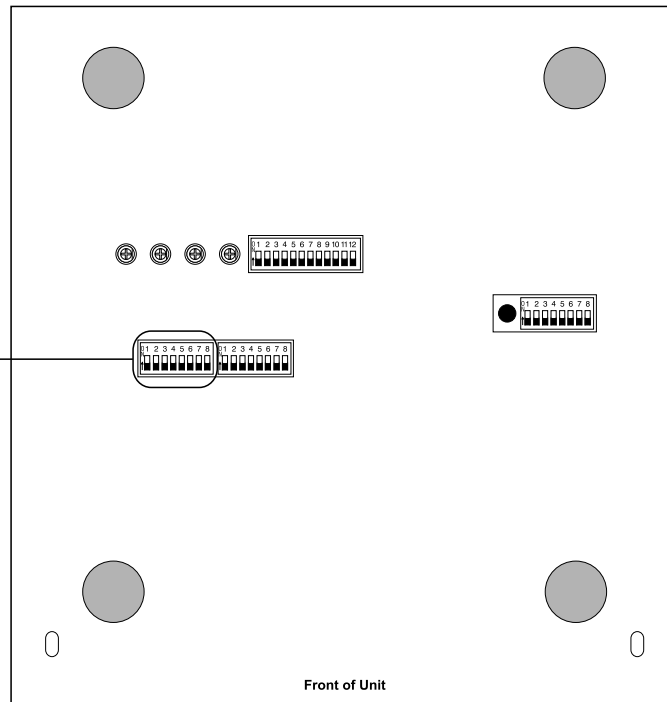
SW3-1 and SW3-2 – Main Button Mode
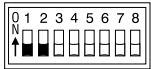
Push to mute ("cough")
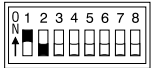
Push to talk
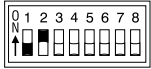
Alternate action ("latching")

Hybrid (press and hold to enable, tap to latch)

SW3-3 – Talkback 1 Button Mode
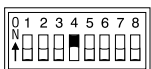
Push to talk

Hybrid (press and hold to enable, tap to latch)

SW3-4 – Talkback 2 Button Mode
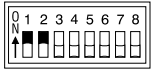
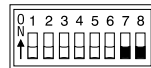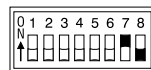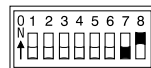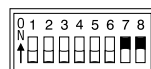Push to talk

Hybrid (press and hold to enable, tap to latch)

SW3-5 and SW3-6 – Talkback 1 Function Mode

Disabled (unless assigned to relay)

Talk to talkback output
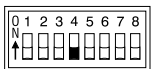
Talk to intercom interface pin 2*

Talk to intercom interface pin 3**

SW3-7 and SW3-8 – Talkback 2 Function Mode

Disabled (unless assigned to relay)

Talk to talkback output

Talk to intercom interface pin 2*

Talk to intercom interface pin 3**

* RTS™ TW Channel 1
** RTS™ TW Channel 2, Clear-Com® Channel 1

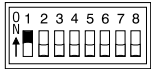# Model 230 Bottom Panel

**Switch 4 Settings
Detailed Below**
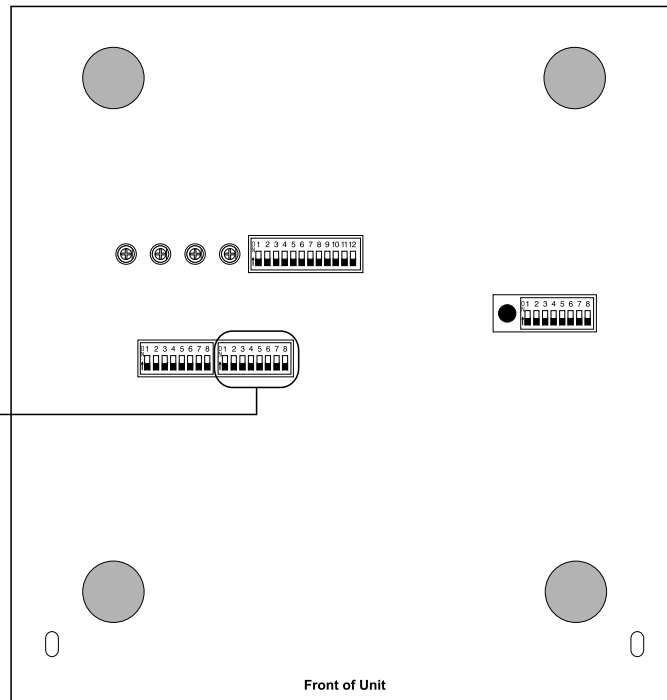
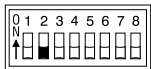Front of Unit

SW4-1 – Headphone Control Mode
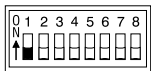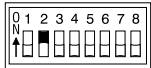
Dual channel ("level/level")

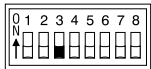Stereo ("level/balance")
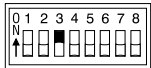
SW4-2 – Headphone Control Operation

Normal

Reverse left/right

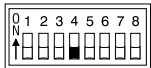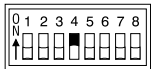## SW4-3 – Headphone Output Minimum Level

–40 dB

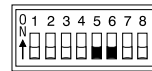Full mute

SW4-4 – Main Button Mode

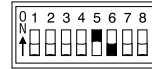Normal (talkback does not "unlatch" main output)

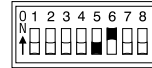Force off (talkback forces main button to "unlatch")

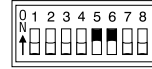## SW4-5 and SW4-6 – Relay Control Mode
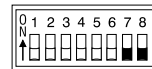
Relay disabled

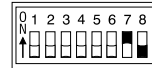Follows main output status

Follows talkback 1 button status

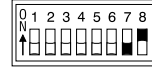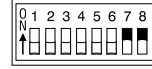Follows talkback 2 button status

SW4-7 and SW4-8 – System Mode

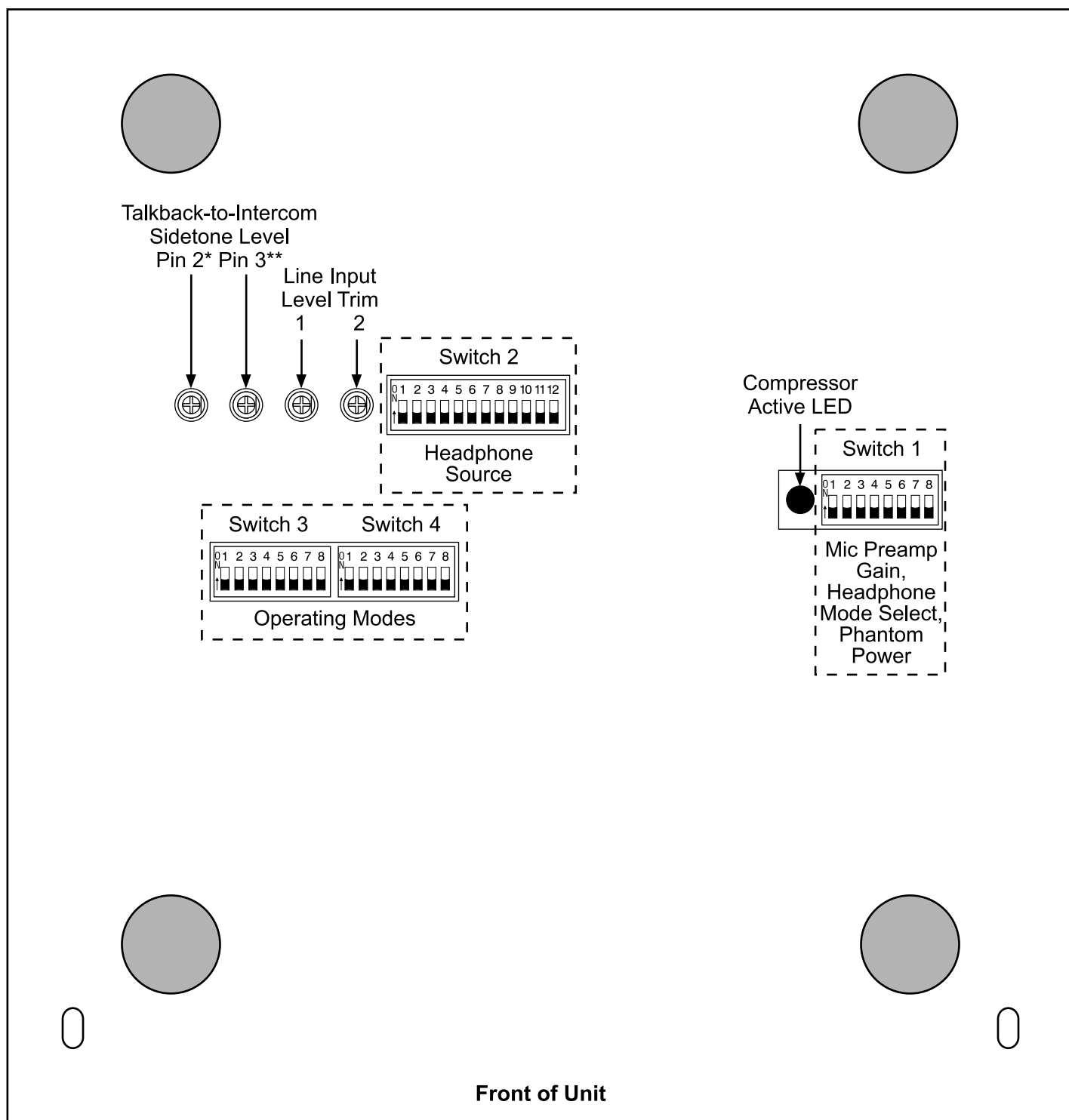On-air (talkback output status impacts main output status)

Production 1 (main out is "hot mic"; main out button controls line-level talkback out)

Production 2 (talkback output status does not impact main output status)

On-air with special sidetone (talkback output status impacts main output status; sidetone audio sent to headphone output)

Talkback-to-Intercom
Sidetone Level
Pin 2* Pin 3**

Line Input
Level Trim
1   2

Switch 2

0 1 2 3 4 5 6 7 8 9 10 11 12
N
↑

Headphone
Source

Switch 3   Switch 4

0 1 2 3 4 5 6 7 8   0 1 2 3 4 5 6 7 8
N   N
↑   ↑

Operating Modes

Compressor
Active LED

Switch 1

0 1 2 3 4 5 6 7 8
N
↑

Mic Preamp
Gain,
Headphone
Mode Select,
Phantom
Power

Front of Unit

  * RTS™ TW Channel 1
 ** RTS™ TW Channel 2, Clear-Com® Channel 1