Model 233
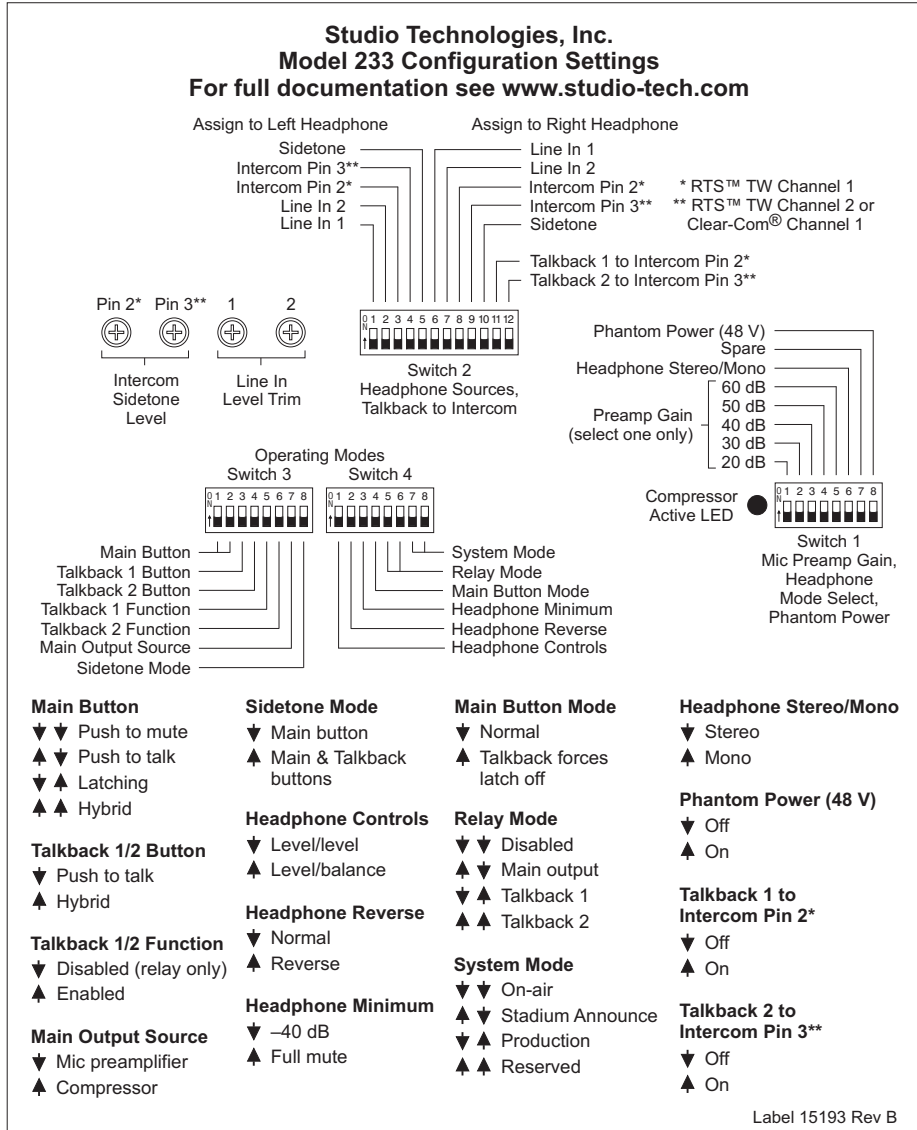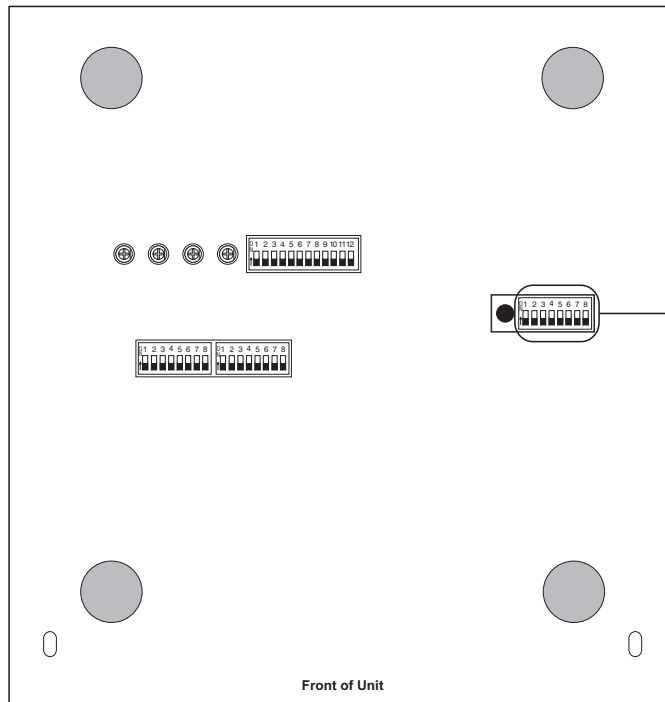## Announcer's Console

Configuration Guide

This Configuration Guide is applicable
for serial numbers: M233-00170 and later
and units upgraded with software version 1.01 and higher

Model 233 configuration settings label as affixed to security plate

Studio Technologies, Inc.
Model 233 Configuration Settings
For full documentation see www.studio-tech.com

Assign to Left Headphone   Assign to Right Headphone

Sidetone — Line In 1
Intercom Pin 3** — Line In 2
Intercom Pin 2* — Intercom Pin 2*   * RTS™ TW Channel 1
Line In 2 — Intercom Pin 3**   ** RTS™ TW Channel 2 or
Line In 1 — Sidetone   Clear-Com® Channel 1

Talkback 1 to Intercom Pin 2*
Talkback 2 to Intercom Pin 3**

Pin 2*   Pin 3**   1   2

Intercom   Line In
Sidetone   Level Trim
Level

0 1 2 3 4 5 6 7 8 9 10 11 12
Switch 2
Headphone Sources,
Talkback to Intercom

Phantom Power (48 V)
Spare
Headphone Stereo/Mono
60 dB
50 dB
Preamp Gain   40 dB
(select one only)   30 dB
20 dB

Compressor
Active LED ●

0 1 2 3 4 5 6 7 8
Switch 1
Mic Preamp Gain,
Headphone
Mode Select,
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 —   — System Mode
Talkback 1 Button —   — Relay Mode
Talkback 2 Button —   — Main Button Mode
Talkback 1 Function —   — Headphone Minimum
Talkback 2 Function —   — Headphone Reverse
Main Output Source —   — Headphone Controls
Sidetone Mode —

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)
▲ Enabled

Main Output Source
▼ Mic preamplifier
▲ Compressor

Sidetone Mode
▼ Main button
▲ Main & Talkback
    buttons

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
▲ ▼ Stadium Announce
▼ ▲ Production
▲ ▲ Reserved

Headphone Stereo/Mono
▼ Stereo
▲ Mono

Phantom Power (48 V)
▼ Off
▲ On

**Talkback 1 to
Intercom Pin 2***
▼ Off
▲ On

**Talkback 2 to
Intercom Pin 3****
▼ Off
▲ On

Label 15193 Rev B

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

Model 233 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

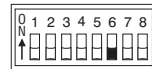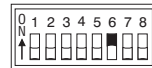 60 dB

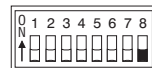 0 dB (no gain) Factory use only!
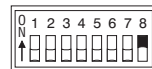
SW1-6 – Headphone Output Mode

 Stereo

 Mono (sums L+R)

SW1-8 – Phantom Power (48 V)

 Off

 On

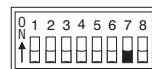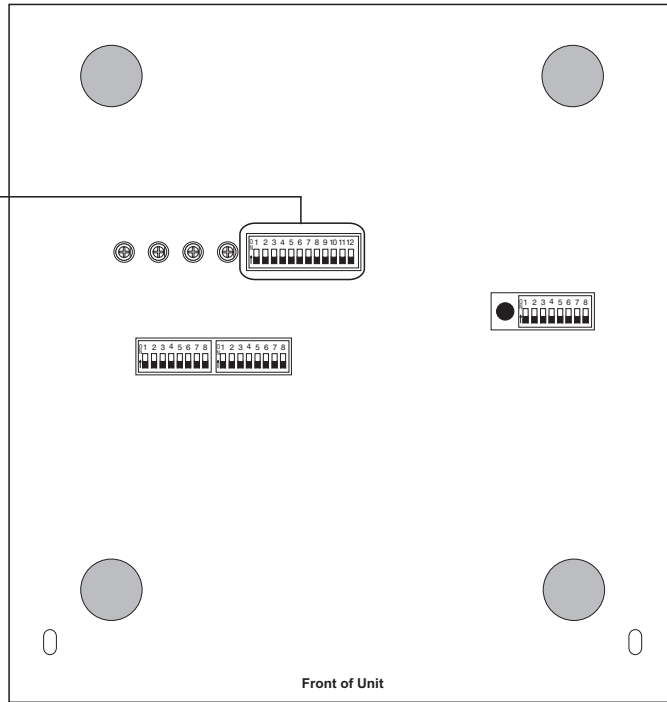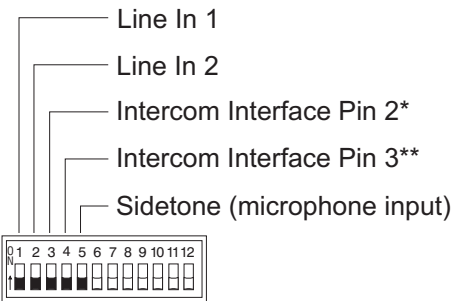## SW1-7 – Spare

Model 233 Bottom Panel

Switch 2 Settings Detailed Below

Front of Unit
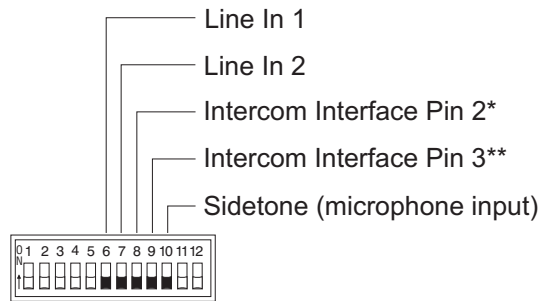

SW2-1 through SW2-5 – Left Channel Headphone Source Selection

- Line In 1
- Line In 2
- Intercom Interface Pin 2*
- Intercom Interface Pin 3**
- Sidetone (microphone input)

On to enable source; multiple sources will sum

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

SW2-6 through SW2-10 – Right Channel Headphone Source Selection

- Line In 1
- Line In 2
- Intercom Interface Pin 2*
- Intercom Interface Pin 3**
- Sidetone (microphone input)

On to enable source; multiple sources will sum

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

SW2-11 – Talkback 1 to Intercom Pin 2
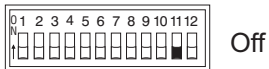
Off
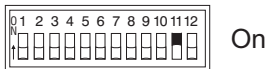
On

SW2-12 – Talkback 2 to Intercom Pin 3
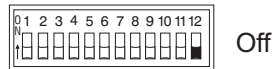
Off
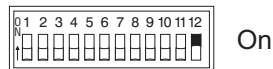
On

Model 233 Bottom Panel

Switch 3 Settings
Detailed Below

Front of Unit
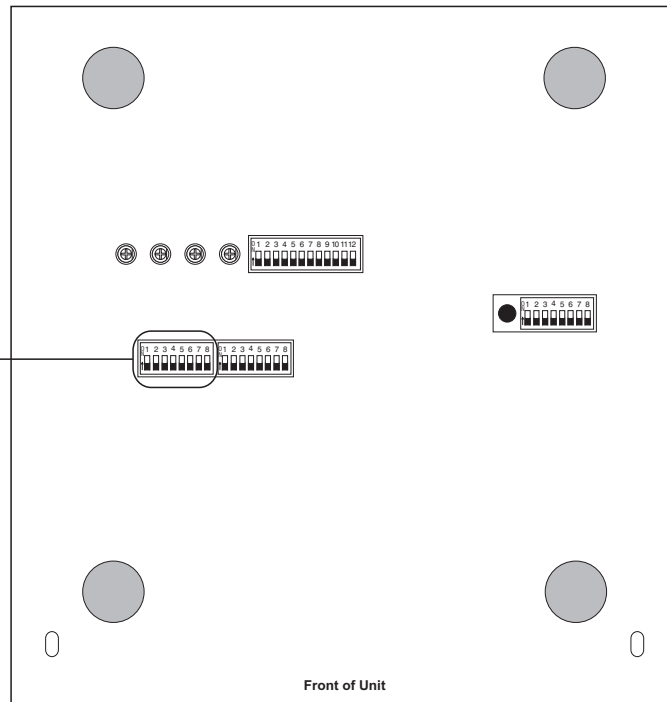
SW3-1 and SW3-2 – Main Button Mode

Push to mute ("cough")
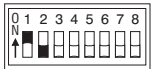
Push to talk
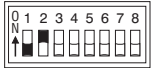
Alternate action ("latching")

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

SW3-3 – Talkback 1 Button Mode
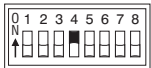
Push to talk

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

SW3-4 – Talkback 2 Button Mode
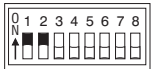
Push to talk

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

SW3-5 – Talkback 1 Function Mode
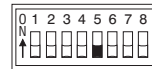
Disabled (unless assigned to relay)
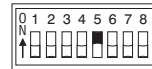
Enabled

SW3-6 – Talkback 2 Function Mode

Disabled (unless assigned to relay)
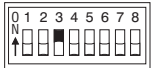
Enabled

SW3-7 – Main Output Source

Mic preamplifier

Compressor

SW3-8 – Sidetone Mode
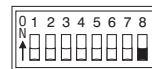
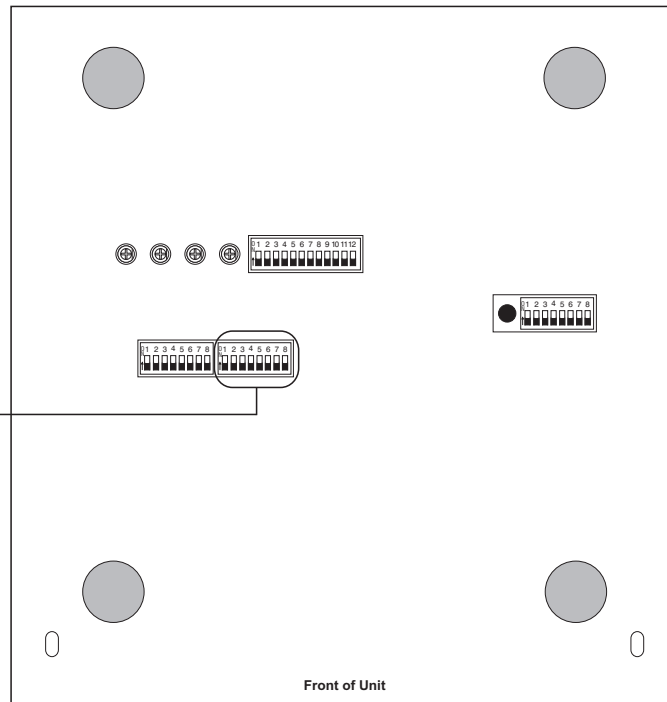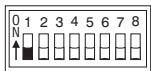Main button controls sidetone
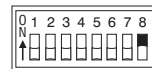
Main and talkback buttons control sidetone

Model 233 Bottom Panel

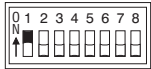**Switch 4 Settings Detailed Below**

Front of Unit

SW4-1 – Headphone Control Mode

Dual channel ("level/level")

Stereo ("level/balance")

SW4-2 – Headphone Control Operation

Normal

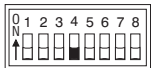Reverse left/right
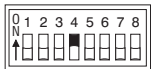
SW4-3 – Headphone Output Minimum Level

–40 dB

Full mute

SW4-4 – Main Button Mode

Normal (talkback does not "unlatch" main output)
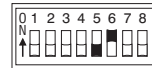
Force off (talkback forces main button to "unlatch")

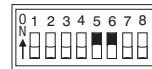## SW4-5 and SW4-6 – Relay Control Mode
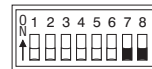
Relay disabled

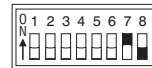Follows main output status

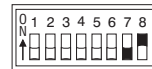Follows talkback 1 button status

Follows talkback 2 button status

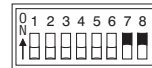## SW4-7 and SW4-8 – System Mode

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

Stadium Announce (main output status impacts headphone output; talkback output status impacts main output status)

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

Reserved