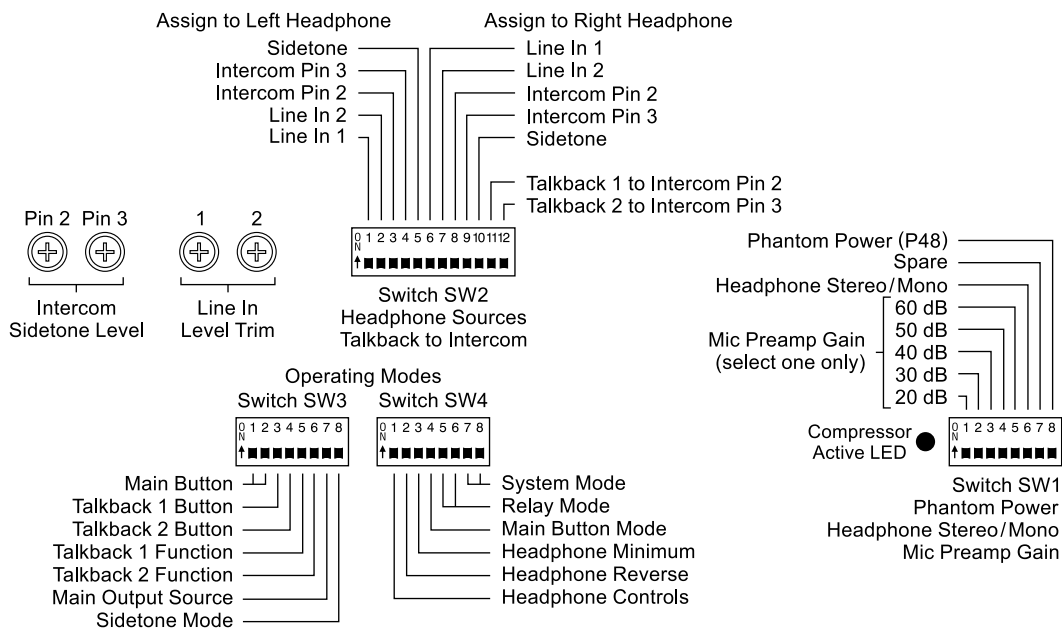# Model 233
Announcer's Console

Configuration Guide

This Configuration Guide is applicable
for the following serial numbers:
M233-01151 and later

Model 233 Configuration Settings
For full documentation go to 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
Line In 2 —————————— Intercom Pin 3
Line In 1 —————————— Sidetone

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

Pin 2   Pin 3   1   2   `0 1 2 3 4 5 6 7 8 9 10 11 12` / `ON`

Intercom   Line In
Sidetone Level   Level Trim

Switch SW2
Headphone Sources
Talkback to Intercom

Phantom Power (P48) ——————
Spare ——————
Headphone Stereo/Mono ——————
60 dB
Mic Preamp Gain   50 dB
(select one only)   40 dB
30 dB
20 dB

Operating Modes
Switch SW3   Switch SW4

`0 1 2 3 4 5 6 7 8` / `ON`   `0 1 2 3 4 5 6 7 8` / `ON`

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 ————

Compressor   ●   `0 1 2 3 4 5 6 7 8` / `ON`
Active LED

Switch SW1
Phantom Power
Headphone Stereo/Mono
Mic Preamp Gain

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
▲ ▼ Follows Main Out
▼ ▲ Follows Talkback 1
▲ ▲ Follows Talkback 2

System Mode
▼ ▼ On-Air
▲ ▼ Stadium Announce
▼ ▲ Production
▲ ▲ Reserved

Phantom Power (P48)
▼ Off
▲ On

Headphone Stereo/Mono
▼ Stereo
▲ Mono

Talkback 1 to Intercom Pin 2
▼ Off
▲ On
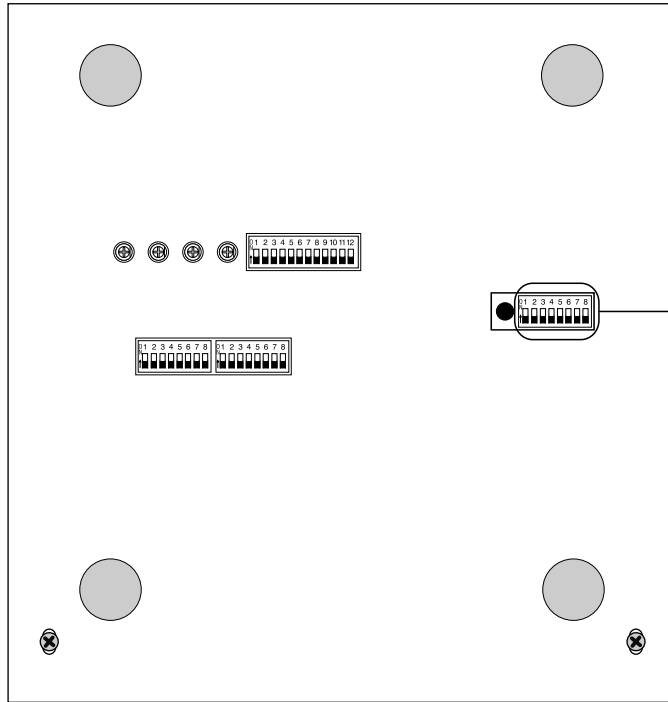
Talkback 2 to Intercom Pin 3
▼ Off
▲ On

Intercom Pin 2 is RTS™ TW Channel 1.
Intercom Pin 3 is RTS™ TW Channel 2
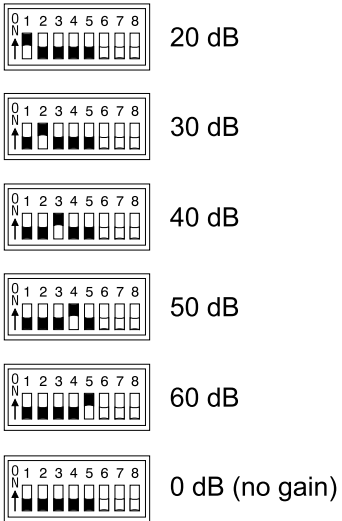or Clear-Com® Channel 1.

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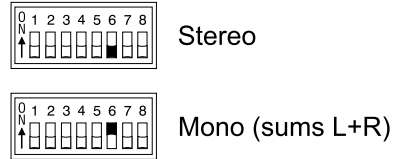www.studio-tech.com   31267 Rev A

Model 233 Bottom Panel

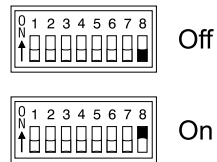Switch 1 Settings
Detailed Below

SW1-1 through SW1-5 – Mic Preamp Gain

 20 dB

 30 dB

 40 dB

 50 dB

 60 dB

 0 dB (no gain)

SW1-6 – Headphone Output Mode
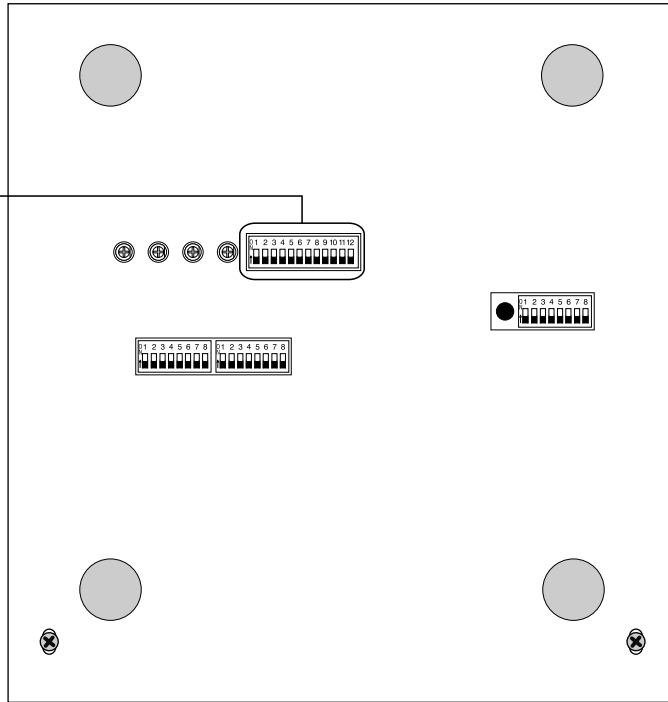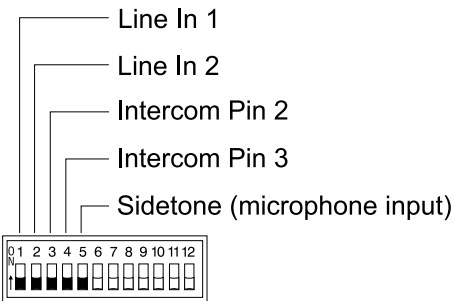
 Stereo

 Mono (sums L+R)

SW1-8 – Phantom Power (P48)

 Off

 On

Model 233 Bottom Panel

Switch 2 Settings Detailed Below

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

— Line In 1
— Line In 2
— Intercom Pin 2
— Intercom Pin 3
— Sidetone (microphone input)

On to enable source; multiple sources will sum

Intercom Pin 2 is RTS™ TW Channel 1.
Intercom Pin 3 is RTS™ TW Channel 2,
or Clear-Com® Channel 1.

SW2-6 through SW2-10 – Right Channel Headphone Source Selection
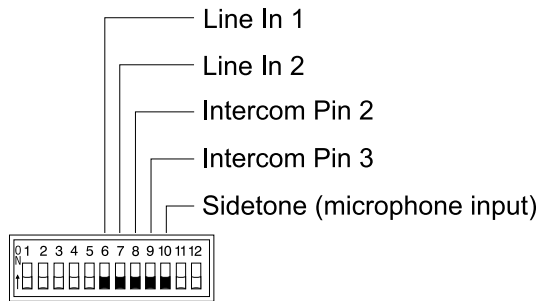
— Line In 1
— Line In 2
— Intercom Pin 2
— Intercom Pin 3
— Sidetone (microphone input)

On to enable source; multiple sources will sum

Intercom Pin 2 is RTS™ TW Channel 1.
Intercom Pin 3 is RTS™ TW Channel 2,
or Clear-Com® Channel 1.

SW2-11 – Talkback 1 to Intercom Pin 2

Off

On
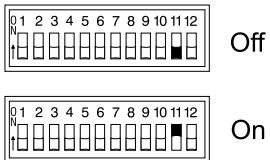
SW2-12 – Talkback 2 to Intercom Pin 3

Off

On
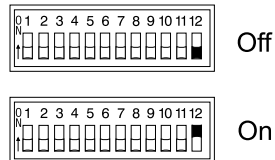
Model 233 Bottom Panel

Switch 3 Settings Detailed Below
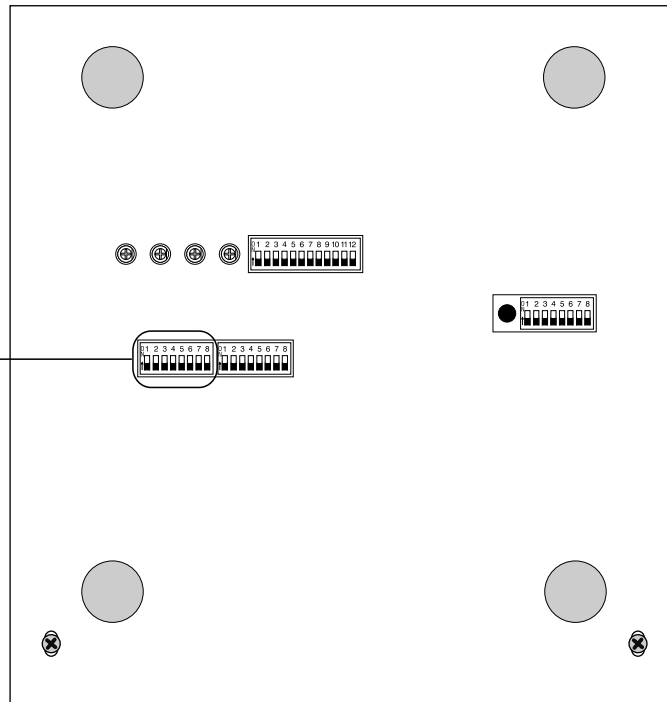
SW3-1 and SW3-2 – Main Button Mode
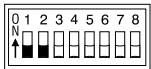
Push to mute ("cough")
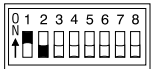
Push to talk
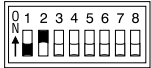
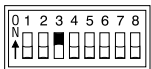Alternate action ("latching")

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

SW3-3 – Talkback 1 Button Mode

Push to talk

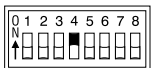Hybrid (press and hold to enable, tap to latch)

SW3-4 – Talkback 2 Button Mode
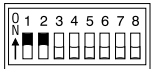
Push to talk

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

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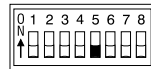
Disabled (unless assigned to relay)
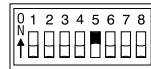
Enabled

SW3-6 – Talkback 2 Function Mode

Disabled (unless assigned to relay)
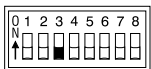
Enabled

SW3-7 – Main Output Source

Mic preamplifier

Compressor
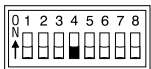
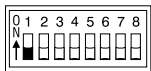## SW3-8 – Sidetone Mode
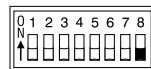
Main button controls sidetone
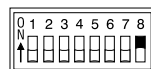
Main and talkback buttons control sidetone
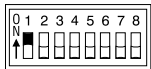
Model 233 Bottom Panel

Switch 4 Settings Detailed Below
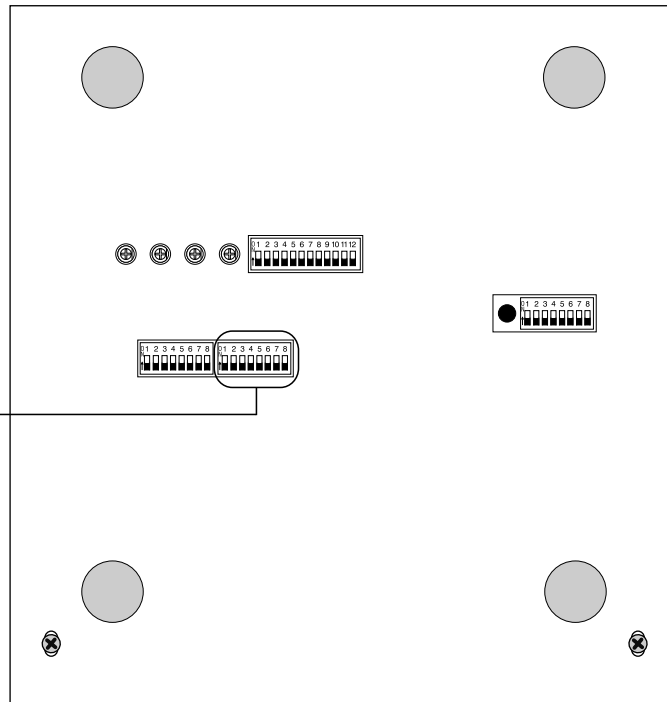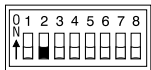
SW4-1 – Headphone Control Mode
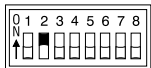
Dual channel ("level/level")

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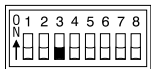
SW4-2 – Headphone Control Operation
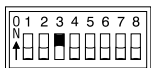
Normal

Reverse left/right

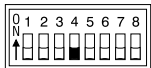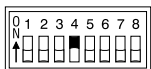## SW4-3 – Headphone Output Minimum Level

–40 dB

Full mute

SW4-4 – Main Button Mode

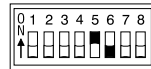Normal (talkback does not "unlatch" main output)

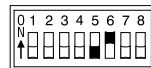Force off (talkback forces main button to "unlatch")
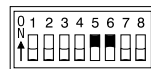
SW4-5 and SW4-6 – Relay Control Mode

Relay disabled
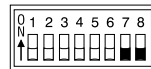
Follows main output status
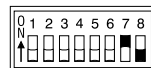
Follows talkback 1 button status
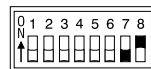
Follows talkback 2 button status
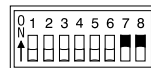
SW4-7 and SW4-8 – System Mode

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