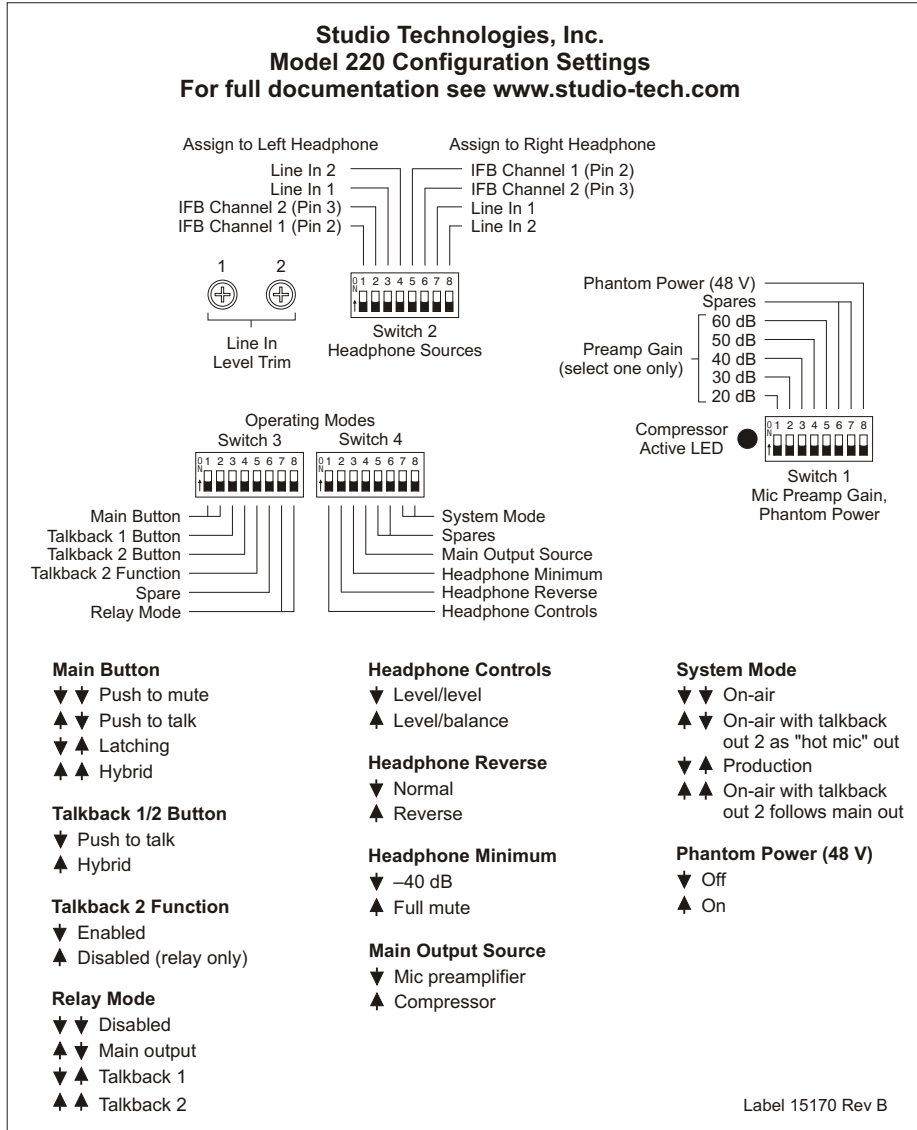# Model 220
Announcer's Console
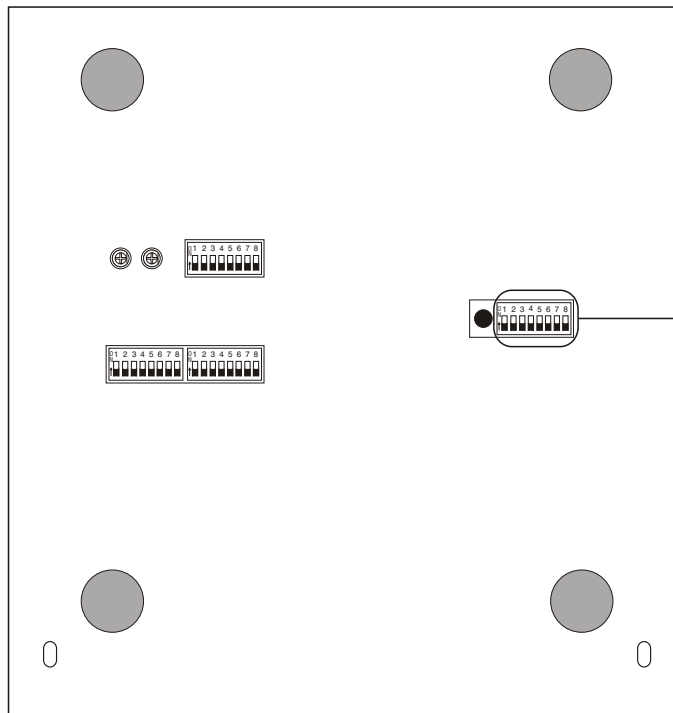
Configuration Guide

Model 220 configuration settings label as affixed to security plate

Studio Technologies, Inc.
Model 220 Configuration Settings
For full documentation see www.studio-tech.com

Assign to Left Headphone

Assign to Right Headphone

Line In 2
Line In 1
IFB Channel 2 (Pin 3)
IFB Channel 1 (Pin 2)

IFB Channel 1 (Pin 2)
IFB Channel 2 (Pin 3)
Line In 1
Line In 2

1   2

0 1 2 3 4 5 6 7 8
N
↑

Line In
Level Trim

Switch 2
Headphone Sources

Phantom Power (48 V)
Spares
60 dB
50 dB
40 dB
30 dB
20 dB

Preamp Gain
(select one only)

Operating Modes

Switch 3   Switch 4

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

Compressor
Active LED ●

0 1 2 3 4 5 6 7 8
N
↑

Switch 1
Mic Preamp Gain,
Phantom Power

Main Button
Talkback 1 Button
Talkback 2 Button
Talkback 2 Function
Spare
Relay Mode

System Mode
Spares
Main Output Source
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 2 Function
▼ Enabled
▲ Disabled (relay only)

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

Headphone Controls
▼ Level/level
▲ Level/balance

Headphone Reverse
▼ Normal
▲ Reverse

Headphone Minimum
▼ −40 dB
▲ Full mute

Main Output Source
▼ Mic preamplifier
▲ Compressor

System Mode
▼ ▼ On-air
▲ ▼ On-air with talkback
      out 2 as "hot mic" out
▼ ▲ Production
▲ ▲ On-air with talkback
      out 2 follows main out
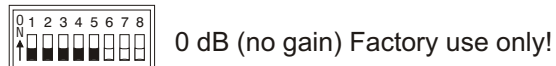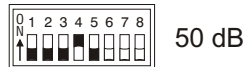
Phantom Power (48 V)
▼ Off
▲ On

Label 15170 Rev B

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

Model 220 Bottom Panel

Switch 1 Settings
Detailed Below

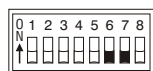## SW1-1 through SW1-5 – Mic Preamp Gain

20 dB

30 dB

40 dB

50 dB

60 dB

0 dB (no gain) Factory use only!

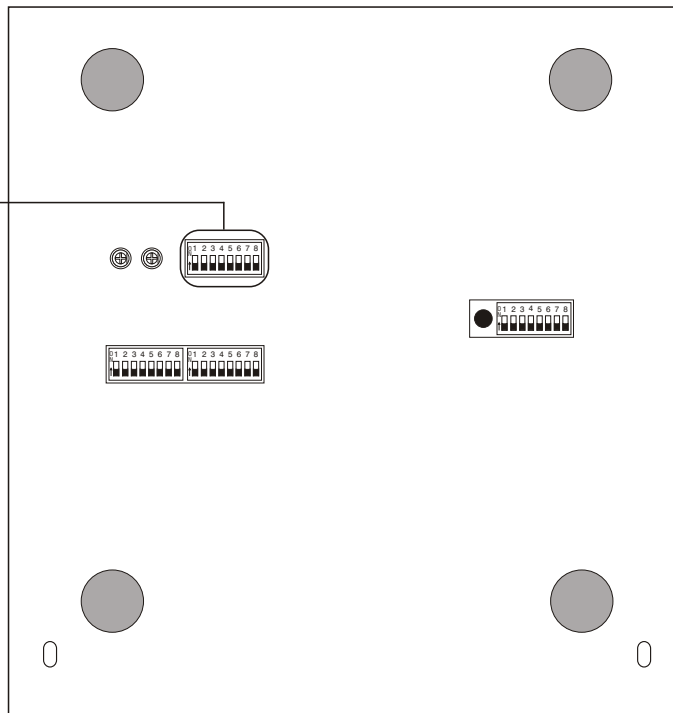## SW1-8 – Phantom Power (48 V)

Off

On
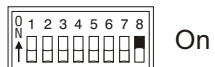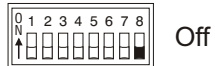
SW1-6 and SW1-7 – Spares

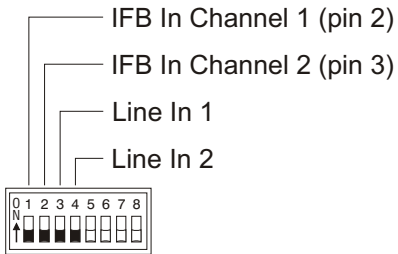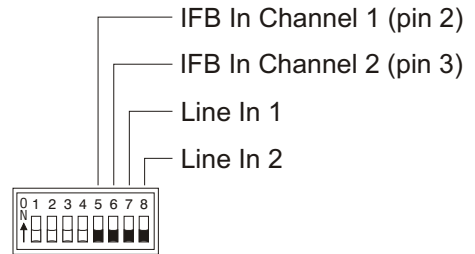# Model 220 Bottom Panel

**Switch 2 Settings
Detailed Below**

**SW2-1 through SW2-4 – Left Channel
Headphone Source Selection**

IFB In Channel 1 (pin 2)

IFB In Channel 2 (pin 3)

Line In 1

Line In 2

On to enable source; multiple sources will sum

**SW2-5 through SW2-8 – Right Channel
Headphone Source Selection**

IFB In Channel 1 (pin 2)

IFB In Channel 2 (pin 3)

Line In 1

Line In 2

On to enable source; multiple sources will sum

Model 220 Bottom Panel

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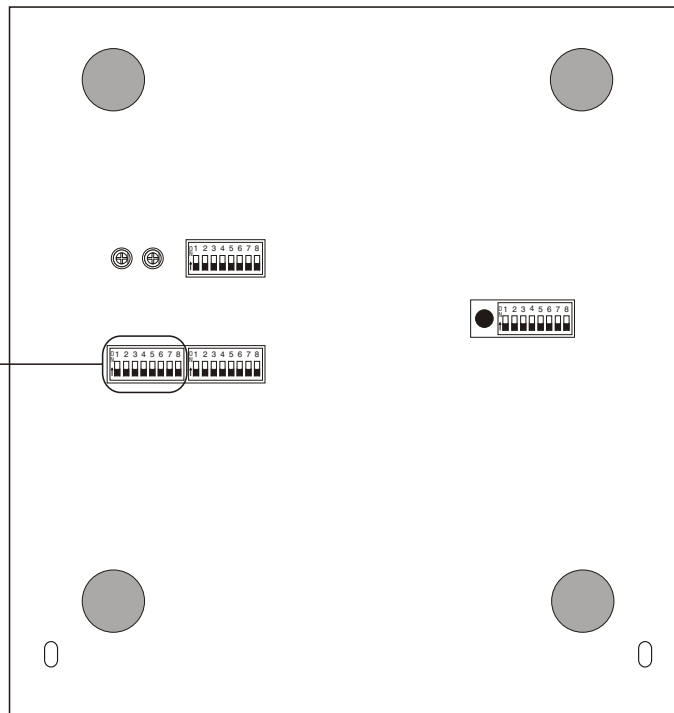
SW3-1 and SW3-2 – Main Button Mode
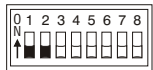
Push to mute ("cough")
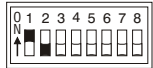
Push to talk

Alternate action ("latching")

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

SW3-3 – Talkback 1 Button Mode

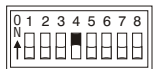Push to talk

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

SW3-4 – Talkback 2 Button Mode
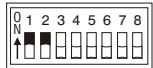
Push to talk

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

SW3-5 – Talkback 2 Function Mode
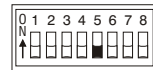
Enabled
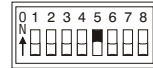
Disabled (unless assigned to relay)

SW3-7 and SW3-8 – Relay Control Mode
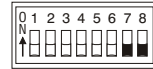
Relay disabled
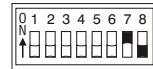
Follows main output status
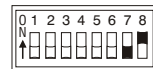
Follows talkback 1 button status
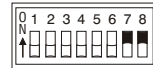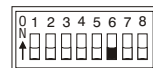
Follows talkback 2 button status
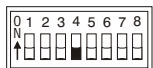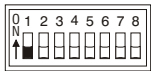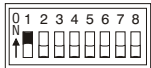
SW3-6 – Spare

Model 220 Bottom Panel

**Switch 4 Settings
Detailed Below**
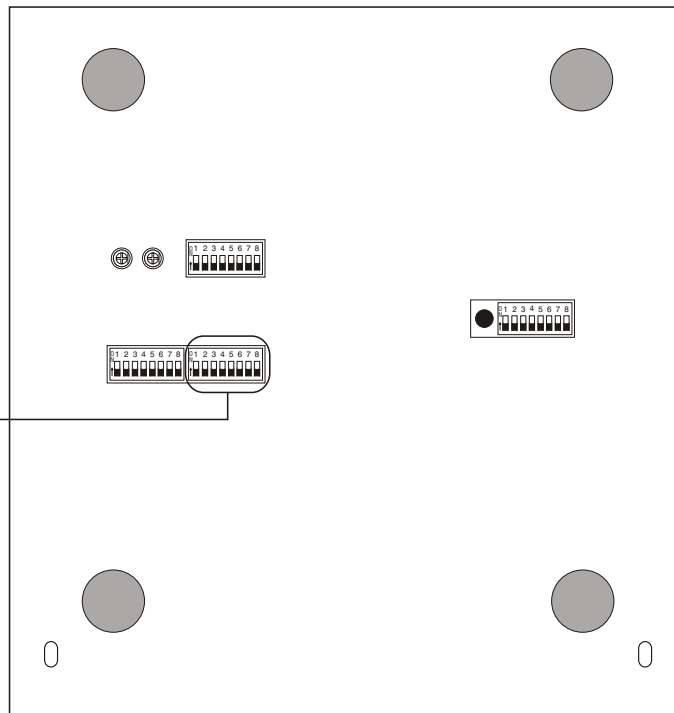
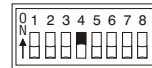## SW4-1 – Headphone Control Mode

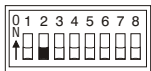Dual channel ("level/level")

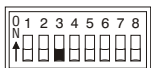Stereo ("level/balance")
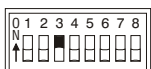
SW4-2 – Headphone Control Operation

Normal

Reverse left/right

SW4-3 – Headphone Output Minimum Level

–40 dB

Full mute

SW4-4 – Main Output Source

Mic preamplifier

Compressor
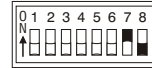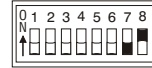
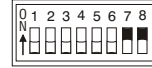## SW4-7 and SW4-8 – System Mode
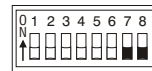
On-air (talkback output status impacts main output status)

On-air with talkback output 2 as "hot mic" output (talkback output 1 status impacts main output status)

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

On-air with talkback output 2 follows main output status (talkback output 1 status impacts main output status)

SW4-5 and SW4-6 – Spares