# API Channel Strip

**Ø:** Polarity reverse for Small Fader path

**-6:** Input pad for normalled TAPE input

**DIR:** Assigns the Small Fader Path to the Direct Output.

**24:** Assigns the Small Fader output to the Multi-track Buss Assignment module.

**EQ:** Moves the Equalizer into the Small Fader path.

**SAFE:** Sets the Small Fader to "Solo Safe".

**TAPE:** Sets the input to the Small Fader path to the multi-track return.

**INS:** Engages the Insert Return patch point in the Small Fader path.

**TRIM:** Large fader input trim

**AUX 7-12:** Concentric Stereo Pots. Top :Level, Bottom:Pan.

**AUX 1-6:** Concentric Mono pots. Top: Odd, Bottom: Even.

**MIC:** Sets the input to the Large Fader path to MIC.

**SAFE:** Large Fader path "Solo Safe".

**MUTE A:** Large Fader mute group assignment.

**INS:** Engages the Insert Return patch point in the Large fader path.

**TRIM:** Small Fader input trim

**SMALL FADER & SMALL FADER PAN**

**SOLO:** Solo for Small Fader path.

**MUTE:** Mute for Small Fader path.

**PK:** Small Fader peak audio indicator.

**Ø:** Polarity reverse for Large Fader path.

**SM:** Switches Aux 9/10 (11/12) to the Small Fader path.

**11/12:** Switches Aux 9/10 to 11/12

**PF:** Sets Aux 9/10 (11/12) to pre fader.

**ON:** On/Off control for Aux 9/10 (11/12)

**ON:** On/Off control fro Aux 7/8

**PF:** Sets Aux 5/6 and 7/8 to pre fader

**ON:** On/Off control fro Aux 5/6

**ON:** On/Off control fro Aux 3/4

**PF:** Sets Aux 1/2 and 3/4 to pre fader

**ON:** On/Off control fro Aux 1/2

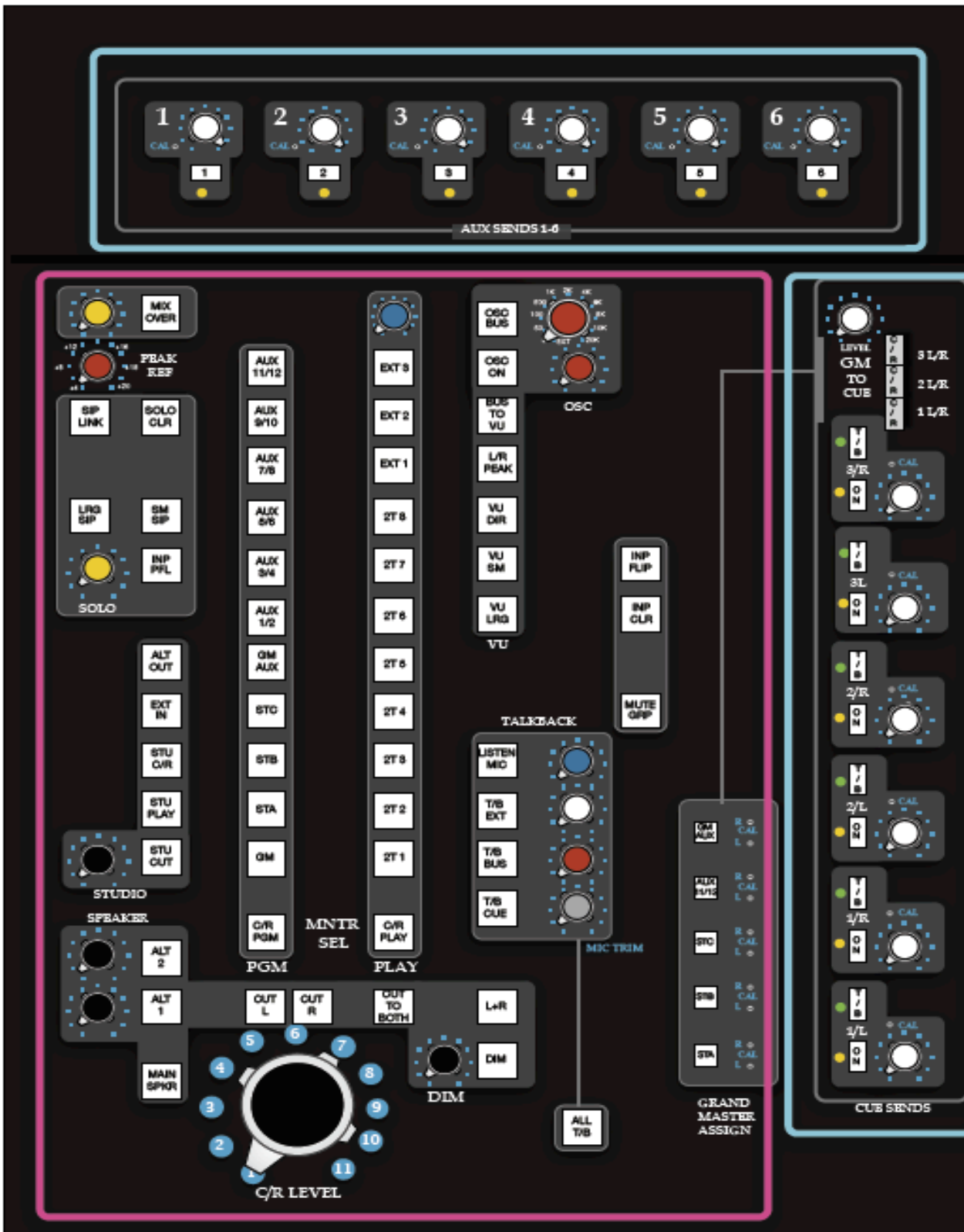**HIGH PASS FILTER:** Large Fader path high pass filter.

**PK:** Large Fader peak audio indicator

**LARGE FADER PAN**

**SOLO:** Solo for Large Fader path.

**MUTE:** Mute for Large Fader path.

# AUX Send Masters

**AUX SENDS 1-6**

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| CAL | CAL | CAL | CAL | CAL | CAL |
| 1 | 2 | 3 | 4 | 5 | 6 |

## Master Controls
### Input Flip, Mute Group, Monitors, Talkback, Solo, Oscillator, Meter Controls & Grand Master Assigns

MIX OVER

PEAK REF

SIP LINK  SOLO CLR

LRG SIP  SM SIP

INP PFL

**SOLO**

ALT OUT

EXT IN

STU C/R

STU PLAY

STU CUT

**STUDIO**

**SPEAKER**

ALT 2

ALT 1

MAIN SPKR

CUT L  CUT R  CUT TO BOTH  L+R

DIM

**DIM**

C/R LEVEL

1 2 3 4 5 6 7 8 9 10 11

AUX 11/12
AUX 9/10
AUX 7/8
AUX 5/6
AUX 3/4
AUX 1/2
GM AUX
STC
STB
STA
GM
C/R PGM

**PGM**

**MNTR SEL**

EXT 3
EXT 2
EXT 1
2T 8
2T 7
2T 6
2T 5
2T 4
2T 3
2T 2
2T 1
C/R PLAY

**PLAY**

OSC BUS
OSC ON
BUS TO VU
L/R PEAK
VU DIR
VU SM
VU LRG

**VU**

OSC

1K 2K 4K
470 8K
50 16K
EXT 20K

INP FLIP
INP CLR
MUTE GRP

**TALKBACK**

LISTEN MIC
T/B EXT
T/B BUS
T/B CUE

MIC TRIM

ALL T/B

GM AUX  R CAL L
AUX 11/12  R CAL L
STC  R CAL L
STB  R CAL L
STA  R CAL L

**GRAND MASTER ASSIGN**

# Cue Send Masters

LEVEL GM TO CUE

3 L/R
2 L/R
1 L/R

3/R  ON CAL
3L  ON CAL
2/R  ON CAL
2/L  ON CAL
1/R  ON CAL
1/L  ON CAL

**CUE SENDS**

# Master Controls

## Master Input Switches & Mute Group



Master Input Switches are provided for global switching of MIC and TAPE inputs (outlined in **red** below) for the Small Fader and Large Fader paths.

- **INP FLIP:** Reverses the inputs on all channels for the Small Fader and Large Fader paths. Fader paths that are currently set to MIC will switch to TAPE, while those that are TAPE will switch to MIC.

- **INP CLR:** Returns all channels to the "default" inputs settings with no TAPE or MIC switches engaged.

- **MUTE GRP:** Just below the Master Input Switches is the Mute Group control. When engaged, all faders that have MUTE A switched on will mute.
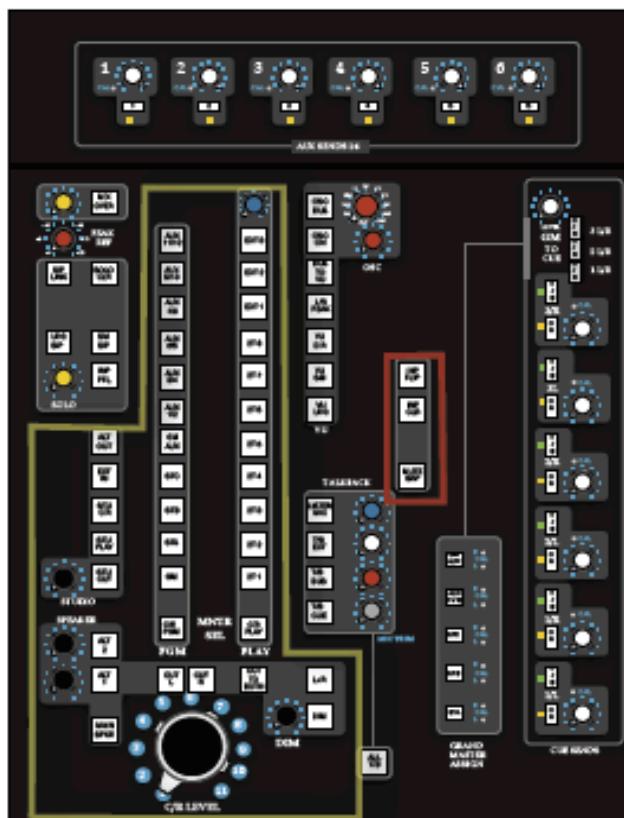


## Monitor Control

The Legacy Plus console provides comprehensive Control Room and Studio monitor control facilities. Features include:

- Control Room Stereo Program monitoring
- Control Room Stereo Playback monitoring
- Control of three (3) stereo Control Room monitor systems with independent levels
- Monitor output calibration
- Studio Loudspeaker control
- DIM and CUT

# Control Room Monitoring

Support is provided for three (3) pairs of control room monitors  The source for the monitors may be selected between eleven (11) internal (PGM) and eleven (11) external (PLAY) sources.

Stereo Program (PGM) sources include all Stereo busses, all Aux busses, and the GM Aux input. Stereo external sources (PLAY) include eight (8) 2-track recorders and three (3) external inputs.

The following features may be applied:

- Speaker system selection
- Control Room level controls
- All Cut
- Dim with level
- Left and Right Mute
- Mono summing
- Main and Alternate Studio Monitor feeds

## Control Room Monitor Source Selection (MNTR SEL)
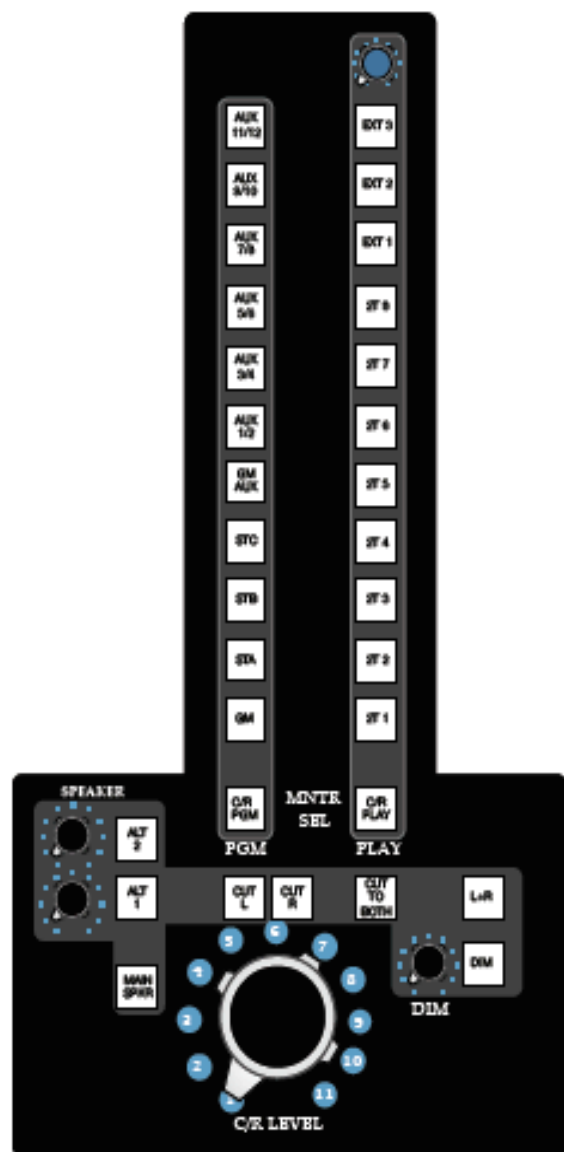


The Control Room Monitor Select (MNTR SEL) section allows the choice of Program and Playback monitor sources and contains the main Control Room monitor level control.

- Internal and external monitor sources may be selected:
- Internal: Program Master outputs (PGM)
- External: Playback returns from external record/ playback devices (PLAY)

The following Program outputs may be selected as the Control Room monitor source:

- GM: Output of the Stereo Program Grand Master
- ST A: Output of the Stereo A Program Master
- ST B: Output of the Stereo B Program Master
- ST C: Output of the Stereo C Program Master
- GM Aux: Feed from the GM Aux patch point
- Aux: 1/2, 3/4, 5/6, 7/8, 9/10, 11/12: Output from the Auxiliary Send Masters

The following Playback returns may be selected as the Control Room monitor source:

- 2T1 – 2T8 (2-Track 1): Return from 2-Track recorder/ playback devices 1 thru 8
- EXT 1- EXT 3: Input from External devices

# Control Room Monitor Source Selectors

To select one of the Stereo Program Masters as the monitor source, PGM (Program Monitor) must be selected. The selected Program Master source will be routed to the Control Room monitor feed.

To select the return from one of the Record/Playback devices as the monitor source, PLAY (Playback Monitor) must be selected. The return from the selected Record/Playback device will be routed to the Control Room monitor feed.
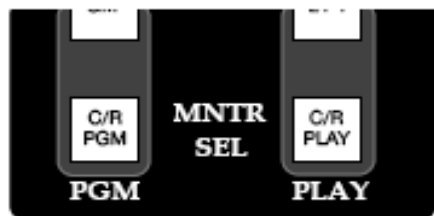
**C/R PGM (Program):** Routes the output of the selected Program Master to the Control Room monitor feed. Illuminates when engaged.

**C/R PLAY (Playback Monitor):** Routes the output of the selected Playback return to the Control Room monitor feed. Illuminates when engaged

Program Monitor Selectors (PRG). All source selectors illuminate when engaged. Only one source may be selected at a time.

**Aux 11/12:** Selects the output of Auxiliary Masters 11/12 as the Program Monitor source

**Aux 9/10:** Selects the output of Auxiliary Masters 9/10 as the Program Monitor source

**Aux 7/8:** Selects the output of Auxiliary Masters 7/8 as the Program Monitor source

**Aux 5/6:** Selects the output of Auxiliary Masters 5/6 as the Program Monitor source

**Aux 3/4:** Selects the output of Auxiliary Masters 3/4 as the Program Monitor source

**Aux 1/2:** Selects the output of Auxiliary Masters 1/2 as the Program Monitor source

**GM Aux:** Selects the signal patched to the GM EXT IN patch point as the Program Monitor source

**ST C (Stereo C):** Selects the output of Stereo Program Master C as the Program Monitor source

**ST B (Stereo B):** Selects the output of Stereo Program Master B as the Program Monitor source

**ST A (Stereo A):** Selects the output of Stereo Program Master A as the Program Monitor source

**ST GM (Stereo Grand Master):** Selects the output of Stereo Grand Master as the Program Monitor source

Playback Monitor Selectors (PLAY). All source selectors illuminate when engaged. Only one source may be selected at a time.
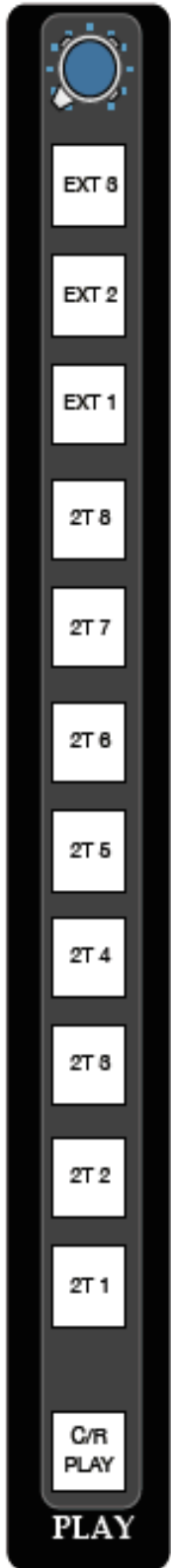
LEVEL: Level control of the selected device feeding the C/R PLAY selector. Allows the user to balance levels from the Ext 3 source to +4dBu level.

EXT 3 (External 3): Selects the return from any stereo input to the EXT 3 patch points in the patch bay.

EXT 2 (External 2): Selects the return from any stereo input to the EXT 2 patch points in the patch bay.

EXT 1 (External 1): Selects the return from any stereo input to the EXT 1 patch points in the patch bay.

2T8 (2-Track 8): Selects the return from 2-Track Record/Playback device #8 as the Playback Monitor source

2T7 (2-Track 7): Selects the return from 2-Track Record/Playback device #7 as the Playback Monitor source

2T6 (2-Track 6): Selects the return from 2-Track Record/Playback device #6 as the Playback Monitor source

2T5(2-Track 5): Selects the return from 2-Track Record/Playback device #5 as the Playback Monitor source

2T4 (2-Track 4): Selects the return from 2-Track Record/Playback device #4 as the Playback Monitor source

2T3 (2-Track 3): Selects the return from 2-Track Record/Playback device #3 as the Playback Monitor source

2T2 (2-Track 2): Selects the return from 2-Track Record/Playback device #2 as the Playback Monitor source

2T1 (2-Track 1): Selects the return from 2-Track Record/Playback device #1 as the Playback Monitor source

EXT 8

EXT 2

EXT 1

2T 8

2T 7

2T 6

2T 5

2T 4

2T 8

2T 2

2T 1

C/R
PLAY

PLAY

# Control Room Speaker Selection, Level, and Controls

The Legacy Plus console provides support for three (3) Control Room monitoring systems. With independent level control for each.

C/R LEVEL (Control Room Level): Level control for the selected Control Room monitor system
- -∞dB to 0dB range
- Sets the level to the selected Control Room monitor system
- Fed from the Monitor Source selectors
- Primary level control for the Main and Alternate Control Room Monitors

The SPEAKER section of the Master section contains the primary controls for the three Control Room Monitor systems:

- MAIN SPKR (Main Speakers): Activates the main Control Room monitor system

- ALT 1 (Alternate 1): Activates Alternate Control Room monitor system #1. Level control for matching levels between the three systems.

- ALT 2 (Alternate 2): Activates Alternate Control Room monitor system #2. Level control for matching levels between the three systems.



- CUT L: Mutes the Left loudspeaker of the selected speakers.

- CUT R: Mutes the Right loudspeaker of the selected speakers.

- CUT TO BOTH: Cuts the feed to all Control Room speaker feeds.

- L+R: Sums the Left and Right speaker feeds to mono.

- DIM: Activates the Control Room monitor Dim function and attenuates the output to the active Control Room monitor system by the amount set with the DIM LEVEL.

- DIM LEVEL (adjacent to DIM button): Sets the amount of attenuation applied when the DIM button is engaged. -∞dB to 0dB range