

ARC Headphone Amp Function

MAIN PORT

- 1 - PGM L+
- 2 - PGM L-
- 3 - PGM R+
- 4 - GND
- 6 - PGM R-

This is where you connect the balanced audio from your console to the headphone amplifier. You may connect to one for the following outputs Program, Audition, Utility or the Studio Monitor output.

- 4 - GND

This is the ground connection from the console to the headphone amplifier.

- 5 - TB Talk Back (Control) Pulling to Ground pin 4 triggers the TB relay

This connection will come from studio 2 an external switch that will dim the program audio and turn on the talk back audio into the headphones.

- 7 - TB Audio In + Audio from studio 2 microphone processor (+)

- 8 - TB Audio In – Audio from studio 2 microphone processor (-)

This is the microphone audio from studio 2 that will be sent to the headphones when the TB switch is activated.

PARALLEL PORT

- 1 - PGM L+
- 2 - PGM L-
- 3 - PGM R+
- 4 - GND
- 5 - NC
- 6 - PGM R-
- 7 - TB Audio In +
- 8 - TB Audio In –

This is a copy of the Main Port above and is used to connect an additional Headphone Amps.

CONTROL

- 3 - COUGH + Out Connect to console microphone input (+)

- 6 - COUGH – Out Connect to console microphone input (-)

This connects to the Studio 1 consoles announcer microphone input.

- 7 - COUGH + In Connect microphone processor output (+)

- 8 - COUGH – In Connect microphone processor output (-)

This is where you connect the Studio 1 main or announcer microphone processor output.

By pressing the Cough button on the ARC-HP front panel will disconnect the announcers microphone audio to the consoles microphone input. So any audio that the microphone is picking up will not be broadcasted. This is a push and hold function so as soon as you release the button the announcer audio will be sent to the console.

CONTROL

1 - TB (switch) Connect to Studio 2 Main Port pin 4 (GND)

2 - TB (switch) Connect to Studio 2 Main Port pin 5 (TB Control)

This switch should be wired to the Studio 2 ARC-HP unit Main Port pin 4 and 5 logic control.

When this button is pressed it will dim the program audio and turn on the talk back audio from studio 1 microphone processor into the headphones.

Studio 1 announcer microphone audio and talkback switch should be wired to studio 2.

Studio 2 guest or host microphone audio and talkback switch should be wired to studio 1.