



PB2022
Presenter Mic amp/talkback unit



by
CTP Systems



Product warranty

This unit is guaranteed for a period of one year from dispatch of the goods. This guarantee is a return to base warranty. In the unlikely event of a fault the goods should be returned to CTP Systems in the UK or your local dealer.

This equipment is CE marked and conforms to the following directives:

Emissions: EN55103.1

Immunity: EN55103.2

WEEE

CTP Systems are registered for Business to Business sales of WEEE in the UK. Our registration number is WEE/DF0509VR. This is why our product has a ridiculous picture of a dustbin on the back.

RoHS

The product conforms to the RoHS Directive 2002/95/EC for restriction of the use of hazardous substances in electrical and electronic equipment.

This unit was designed and manufactured in the UK by CTP Systems Limited, Unit 4, Clinton Business Centre, Lodge Road, Staplehurst, Kent TN12 0QF.

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Overview

The PB2022 was designed for use by a presenter offering all the microphone and talkback feeds normally required in a broadcast environment.

The microphone amplifier has switched gain selectable from 15dB to 70dB in 5dB steps. 48 volt phantom power is selectable and by use of the 'Lazy' switch microphone amplifier output may be silently diverted from the programme output XLR to the 'Lazy' out (talkback) XLR. The unit supports a single 5 pin headset XLR or discreet microphone input and headphone or earpiece output.

Two listen inputs are provided and may be selected to one or both headphone earpieces. (Mono/stereo).

There is a low battery indicator and the 'Mic cut' switch may be selected as momentary or latching. The 'Lazy' switch can be set to indicate operation by illuminating the 'Mic cut' switch when operated.

Using with headphones/Headset

The headphone jack is a standard ¼ inch stereo TRS jack socket (tip left, ring right, sleeve earth). If a single earpiece is utilized it should just be wired to tip and sleeve leaving the ring connection disconnected. The mono/stereo switch should then be switched to mono so both line level audio inputs may be heard. If it is selected to stereo then only input one will be heard, this feature may be utilized to switch the second input on and off.

The headset connection are as follows:

Pin 1 - Microphone neutral

Pin 2- Microphone live

Pin 3 - Earth

Pin 4 - Headphone left

Pin 5 - Headphone right

If an unbalanced microphone connection is required then connect the live to pin 2, it may be necessary to additionally link pin 1 to pin 3 depending on the headset in use.

Microphone amplifier and 'Lazy'.

Plug the microphone into the input on the rear of the units or plug the headset in. Adjust the microphone amplifier gain and select phantom power as required. Ensure phantom power is off if using the unit with an unbalanced microphone.

Microphone audio at line level will be present on the Prog Out XLR. To divert the audio to the 'Lazy' (talkback) output pull the biased Lazy switch down. If it has been



selected in setup (see setup section) the Mic cut switch will illuminate when Lazy is in use. The lazy switch will mute 'Prog out' when in use.

The 'Mic cut' switch may be selected to latching mode or to momentary mode (see setup). When the microphone is cut using this switch the lazy output may still be used, there will just be no output on 'Prog out'.

Power

The PB2022 will operate for 10-12 hours on a fresh set of alkaline batteries although this depends on the volume and impedance of the headphones. With phantom power selected 7-8 hours is more likely.

Approximately two hours before the batteries will be exhausted the power light will start to flash indicating a low battery condition.

Setup

Two features are programmable, the Mic cut switch may be selected to latching or momentary operation and the lazy switch can be selected to illuminate the mic cut switch when operated.

To enable setup mode first switch the power off, press and hold both the lazy switch and the mic cut switch while switching the power on. When the power and mic cut lights start flashing release the switches. They will flash four more times and then stop.

If the mic cut switch is set to latching then the mic cut light will be on. If it is set to momentary then it will be off. If the lazy switch is set to illuminate the mic cut switch then the power light will be on else it will be off.

Press the mic cut switch to toggle between latching and momentary. Press the lazy button to toggle between illuminate and don't illuminate the mic cut button when the lazy is operated. When selected as required switch off the power, the unit will memorize the settings.

Mechanical

144mm tall, 105mm wide, 65mm deep

Weight 0.48 kilos

Aluminium case.