

# ZHC318-1201S Analog Audio Switcher



## 1. Overview

ZHC318-1201S analog audio signal switcher is a device in which twelve channels of analog stereo input is digitally controlled to select one stereo output. The system performs real-time dynamic monitoring of the left and right input audio signals of each channel. This device is mainly used in the audio source monitoring control of the radio and television industry, and has the advantages of large audio dynamic range and accurate input level detection.

The ZHC318-1201S analog audio signal switcher is manually controlled to switch, and the output can be set to four modes: all prohibited, left channel, right channel and left and right stereo. The device can set the channel and output mode locally or remotely.

The ZHC318-1201S analog audio signal switcher has on-site audio monitoring holes to realize real-time monitoring of local audio. At the same time, it has the function of remote communication. Through the serial port, it can continuously read the left and right audio level value of each channel and the working status of the device and control channel switching at the same time.

## 2. Technical Details

### 2.1 Technical Specifications

- |                           |                 |
|---------------------------|-----------------|
| 1. Audio input level      | -30dBu ~ +15dBu |
| 2. Audio input impedance  | 600Ω            |
| 3. Audio output level     | -30dBu ~ +15dBu |
| 4. Audio output impedance | 600Ω            |
| 5. Audio gain             | 0dB             |

6. Channel separation	$\geq 70\text{dB}$
7. Stereo separation	$\geq 70\text{dB}$
8. Stereo left and right level difference	$\leq 0.1\text{dB}$
9. Channel gain difference	$\leq 0.3\text{dB}$
10. Signal-to-noise ratio	$\geq 80\text{dB}$
11. Distortion	$\leq 0.07\%$
12. Frequency response	$\leq 0.1\text{dB}$
13. Power supply voltage	AC90V~AC180V 47Hz~63Hz AC180V~AC260V 47Hz~63Hz

Note: The test frequency range of all the above indicators is 20Hz~20KHz.

## 2.2 Physical Specifications

1. Chassis standard	2U (19 inches)
2. Chassis size	482.6mm×88.1mm×445mm
3. Whole machine weight	20Kg
4. Operating environment temperature	0°C ~ +40°C
5. Operating relative humidity	<95%
6. Operating altitude	≤4500m