



## Microphone Amplifier C-148

- Low-noise mic amplifier
- Variable gain
- XLR input
- Dual low-cut filter
- Low-distortion limiter
- Monitor amp with return input
- Heavy-duty metal case
- Compact size
- 48V phantom power
- 4 x AAA batteries

**MICAMP C-148 is a compact and professional Microphone Amplifier with 48 V phantom power supply, dual frequency low-cut filter and balanced input and outputs. A low-distortion, wide range limiter is included.**

MICAMP C-148 is a very compact, battery-powered low-noise microphone amplifier, housed in an all aluminium case.

Input is a 3-pole XLR socket with selectable 48 V phantom supply.

Output is a 3-pole XLR socket with a balanced line level signal. In addition, there is an unbalanced output.

The balanced output level can be adjusted by an internal trimmer pot for compliance with various standard levels.

A low-distortion limiter with wide range will save a recording even when gain was set too high.

Gain is adjustable from 16 to 72 dB with a single knob and a high/low switch. A green / red LED will show signal status.

A soft low-cut filter with a 6 dB / octave rolloff slope at either 80 or 160 Hz may also be selected, well suited for reducing wind-noise.

An included monitor with phones output can be used for direct or return signal monitoring.

MICAMP C-148 is powered by 4 x AAA batteries. These can be either alkaline or rechargeable NiMH batteries.

Lifetime is 6 -10 hours in continuous use.

### Technical Data

Gain range	16 ... 60 dB / 28 ... 72 dB
Max input signal	+6 dBu / -6 dBu
Max output signal	+20 dBu @ 600 ohms (bal) -12 dBu (unbal) 2 Vrms @ 32 ohms (phones)
Output gain adjust:	0 ... -20 dB (bal out only)
Limiter range	26 dB (20:1)
Frequency response	10 ... 40 kHz +0 / -0.8 dB
Low-cut filter	80 / 160 Hz / -3 dB rolloff 6 dB / octave
THD+N	0.0008% @ -6 dBu, 1 kHz, 16 dB gain 0.0009% @ -16 dBu, 1 kHz, 28 dB gain 0.025% @ -50 dBu, 1 kHz, 72 dB gain
Equiv. input noise	-125 dBu, unweighted @ 72 dB gain
Phantom voltage	48 V +2 V, max 15 mA
Power supply	4 x AAA alkaline or NiMH batteries for 6 - 10 hours continuous use Ext. DC 6 - 18 V (HIROSE HR10 4pin)
Size WxHxD	90 x 40 x 135 mm
Weight	550 grams

Specifications are subject to change without notice.



## MicAmp C-148 User's Manual



### Front panel

#### MIC GAIN knob

Adjusts mic gain. Two scales are available: 28 - 72 dB and 16 - 60 dB. The actual scale is selected by the INPUT LEVEL switch at the back panel.

#### 48 V

Selects phantom power. A LED will be lit when selected.

#### POWER

ON switch. A LED will be lit when powered on.

#### PEAK

A red LED indicating an output level at the clipping point, +24 dBu. At output levels between -12 and +23 dBu this LED is green.

#### FILTER

A three-way switch for selecting high-pass filter. 80 / 0 / 160 Hz roll-off frequency.

#### LIM

LED indicating that the limiter is reducing the peak output level to +22 dBu.

#### LIMITER

Switch that selects limiter function.

#### MON

Switch for selecting monitor signal.  
MIC for outgoing signal.  
RTN for signal connected to RET IN.

#### MON knob

Adjusts the monitor level to the phones output.

#### PHONES OUTPUT

3,5 mm socket. Stereo out from return input signal.  
*shield* GND  
*ring* right channel  
*tip* left channel

### Rear panel

#### LINE OUT

Standard male XLR socket for output line signal.

- 1 GND
- 2 *signal+*
- 3 *signal-*

#### MIC IN

Standard female XLR socket for mic input signal.

- 1 GND
- 2 *signal+*
- 3 *signal-*

#### EXT. PSU

HIROSE HR10 4-pin socket for ext. power supply 6-18VDC.

- 1 GND
- 4 V+

#### UNBAL. OUT

3,5 mm socket for unbalanced line output.

- shield* GND  
*ring* *signal+*  
*tip* *signal+*

#### RET. IN

Return signal input through 3,5 mm socket.

- shield* GND  
*ring* right channel  
*tip* left channel

#### INPUT GAIN

Switch for selecting gain range LO / HI (+12 dB).

### Battery compartment

Access the battery holder by turning the screw on the front panel anti-clockwise a few turns. Press on the screw and the top lid will slide back.

Use 4 x AAA alkaline batteries.

Fix the top lid in a sealed position by using the front panel screw.

A trimmer located between the batteries adjusts the output attenuation from -20 dB to 0 dB with -12 dB at mid position.