

Hydrophone Amplifier and Listening Amplifier - type : MPA-102-MK2 with AquarianAudio hydrophone type H2R



MPA102-MK2-H2R - Front panel view

Set of Hydrophone and a Listening Amplifier.

An etec.dk modified version of the IMG MPA-102

Phantom powered hydrophone AquarianAudio H2A-XLR

Price inclusive hydrophone euro € 1.000,-

Phantom Powered Hydrophone Amplifier setup with XLR connector suitable for any type of commercial mixing console or recording device.

This setup is a low cost kit especially intended for underwater listening and detection of leakage in water tanks or in pipelines or other kind of audible sound information in liquids.

The MPA-102 amplifier is a stand alone unit with built in batteries and 70dB of gain. It features a 24Volt phantom power supply to drive an active hydrophone equipped with the standard 3pole XLR connector.

High signal output due to a high supply voltage of 4 pcs 9 volt square batteries. The amplifier may also be powered from the included mains powered wall plug AC adaptor.

Frequency range from 10Hz to 50kHz. plus a very high gain of 70dB. High and Low pass filters for emphasizing the listening frequency range. A mixing function to connect with a monitor amplifier or a set of headphones.

Hydrophone and Listening Amplifier – Back panel view



This unit is compatible with most any type of professional studio recording and reproduction equipment. We recommend the ZOOM type H4 handheld digital recorder to supplement this listening amplifier for recordings and documentation. This device will record the audible range 20hz to 20kHz.

For the wider bandwidth of 10Hz to 50kHz we recommend the audio interface AD converter adaptors from ZOOM. They are designed to be connected to a computer with USB interface for recording. Types in question could be the following units which offers up to 192khz of sampling rate :

ZOOM UAC-2 for Windows USB

ZOOM TAC-2 for MAC Thunderbolt

ZOOM F8 for 8 channel high quality multitrack recordings.

Links in question herewith :

<https://www.zoom-na.com/products/production-recording/audio-interfaces/zoom-uac-2-usb-30-audio-converter>

<https://www.zoom-na.com/products/production-recording/audio-interfaces/zoom-tac-2r-thunderbolt-audio-converter>

<https://www.zoom-na.com/products/field-video-recording/field-recording/zoom-f8-multitrack-field-recorder#features>

<http://www.aquarianaudio.com/h2a-xlr-hydrophone.html>

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