



Sound Skulptor EQ573 User manual

Introduction

The **EQ573** is based on the famous design of the classic 1073 and 1084. It can be used as a **stand alone** unit through the lunchbox XLR's or in tandem with the **MP573** mic pre, as an **insert** between the input and output stages, recreating the full architecture of the 1073. The switching between the two modes is done on the front panel, allowing the use of both modes.

The EQ573 is a three bands parametric EQ (High shelf, Mid, Low shelf) and a variable High pass filter.

The EQ573 enhances the possibilities of the 1073/1084 by adding several frequencies and Q's:

Stand alone installation

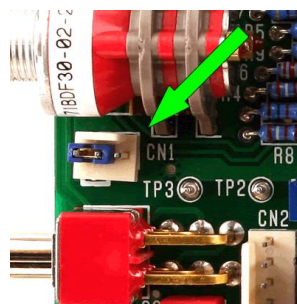
Insert the EQ573 into a free slot in the lunchbox (or rack). Do not omit the 2 fixing screws on the module front plate before moving. It is pretty heavy and the weight would put too much pressure on the back connector.

Installation with a MP573

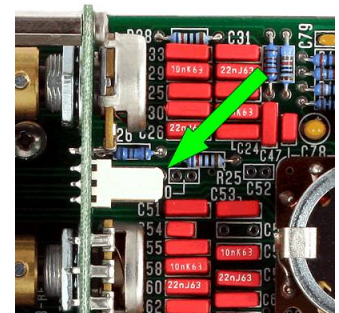
You need a free slot, next to the MP573.

Remove the jumper from the CN1 connector on the MP573 and plug one end of the link cable into it.

Connect the other end of the link cable to connector CN2 on the potentiometer PCB of EQ573 then insert the EQ573 into the lunchbox, making sure the link cable passes above the EQ module.



MP573-CN1



EQ573-CN2



XLR Connections

In the **XLR** mode, the EQ connects to the rear female XLR for input and to the rear male XLR for output. In the **Pre** mode, the rear XLR's are simply connected as a pass-through.

The XLR pinout is as follows :

- Pin 1 : Ground
- Pin 2 : + Signal
- Pin 3 : - Signal



Front panel controls



High shelf Frequency (Top, outer knob)

This is a 6 positions switch that selects the frequency of the high shelf filter: 10kHz, 12kHz, 18kHz, 20kHz, 25kHz. The Off position turns off the high shelf EQ.

High shelf Cut and Boost (Top, inner knob)

Continuously variable high shelf cut and boost from -16dB to +16dB.

Mid Frequency (Second down, outer knob)

This is a 12 positions switch that selects the centre frequency of the mid filter: 0.27kHz, 0.36kHz, 0.5kHz, 0.7kHz, 1.1kHz, 1.6kHz, 2.3kHz, 3.2kHz, 4.8kHz, 7.2kHz, 10kHz. The Off position turns off the Mid EQ.

Mid frequency Cut and boost (Second down, inner knob)

Continuously variable mid frequency cut and boost from -18dB to +18dB.

Q Switch (Higher)

In the 73 position, sets the Q of the Mid band EQ same as the 1073.
In the **centre** position, sets the Q same as the 1084 normal.
In the **Hi** position, sets the Q same as the 1084 High Q.

Low shelf Frequency (Third down, outer knob)

This is a 6 positions switch that selects the frequency of the low shelf filter: 20Hz, 35Hz, 60Hz, 110Hz, 220Hz. The Off position turns off the low shelf EQ.

Low shelf Cut and Boost (Third down, inner knob)

Continuously variable low shelf cut and boost from -16dB to +16dB.

XLR/Off/Pre switch (Lower)

This switch is the general bypass switch for the whole EQ.

In the **Off** position, the EQ is bypassed.

In the **XLR** position, the EQ is inserted between the input and output XLR's.

In the **Pre** position, the EQ is inserted before the output stage of the MP573, if installed.

High Pass filter (Bottom)

This switch sets the corner frequency of the 18dB high pass filter: 25Hz, 45Hz, 70Hz, 160Hz, 360Hz.