



BOHUMIN

**MIXING CONSOLE
COMMANDER**

Model of 1966

OPERATOR'S MANUAL rev. 1966/X/1.0

SALUT

Thank you for purchasing this Xaoc Devices product. Bohumin [bo'xumin] is an expander for our Ostrawa full stereo mixer module. By connecting to Bohumin, Ostrawa gains a second full stereo AUX bus with voltage control over the amount of the effect on each channel. In addition, Bohumin features manual attenuators for stereo returns of both **AUX A** (**NOTE:** the send and return jacks for **AUX A** are located directly on Ostrawa) and **AUX B**, as well as four gate inputs for automated clickless muting of each stereo input channel.

Bohumin should be installed alongside a single Ostrawa unit. Please note that Bohumin is not compatible with Ostrawa's sister module Praga. Similarly, Praga's expander, Hrad, cannot be connected to Ostrawa. However, it is possible to chain any combination of Ostrawas and Pragas, and each of them may have its corresponding expander attached. In such a setup, the signals of the main mixing buses and AUX returns are all passed downstream to the last unit in the chain (preferably Praga with Hrad as the output module).

To better understand the device and avoid common pitfalls, we strongly advise the user to read through the entire manual before using the module.

INSTALLATION

The module requires 10hp worth of free space in the Eurorack cabinet. Bohumin does not have a separate power connection; instead,

it draws power from Ostrawa and adds +50mA/-40mA to Ostrawa's power consumption.

ATTENTION: NEVER CONNECT A POWER CABLE TO ANY PIN HEADER ON THE BACK OF YOUR BOHUMIN; IT WILL DESTROY THE UNIT!

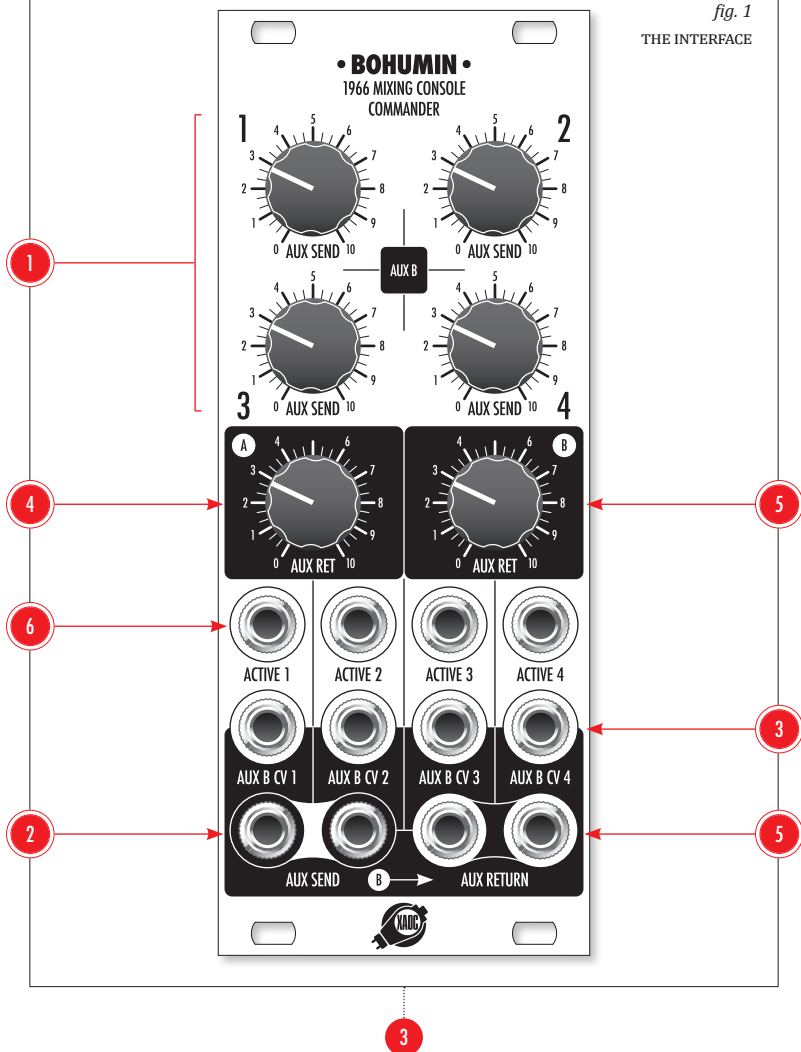
Bohumin connects to Ostrawa using one 16-pin and one 10-pin ribbon cable, both supplied with the unit. Note that these cables are deliberately short for safety and to keep noise and interference low and should not be replaced with longer ones. Bohumin should be located next to your Ostrawa. Before making the connection, you need to remove the 2-pin jumpers from the lower pin header of your Ostrawa. Keep them for later use, as you will have to put them back if you ever decide to use Ostrawa without Bohumin; otherwise, the AUX return will not work properly. Next, carefully connect the cable going from the upper and the lower headers of Bohumin to the upper and the lower headers of Ostrawa, respectively (see fig. 2), paying attention to not mix them up or rotate them as this would seriously damage both units!

Both modules should be fastened by mounting the supplied screws before powering up.

MODULE OVERVIEW

Bohumin's front panel layout (see fig. 1) is straightforward; however, due to space limitations, the order of the potentiometers differs from Ostrawa. The four **AUX B SEND LEVEL** knobs ❶ control the amount of stereo

fig. 1
THE INTERFACE



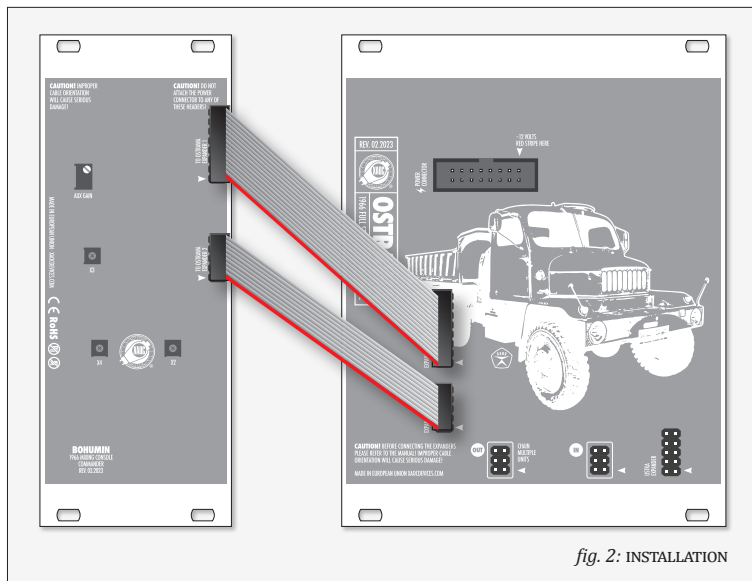


fig. 2: INSTALLATION

signal from each channel of Ostrawa to be sent to the **AUX SEND B** pair of jacks ❷. The amount of effect is also controlled by the corresponding four **AUX B CV** inputs ❸.

The two knobs situated in the middle of the panel, **AUX RET A** ❹ and **AUX RET B** ❺, are stereo attenuators for the AUX returns, i.e., the stereo signal pairs patched into **AUX RETURN A** on Ostrawa and **AUX RETURN B** on Bohumin respectively.

The four **ACTIVE** jacks ❻ offer remote muting and unmuting of the four stereo input channels in Ostrawa.

AUX BUSES

Please keep in mind that auxiliary effects operate in parallel to the main summing bus of the mixer, which means the processed signal is added to the original signal and does not replace it.

Ostrawa with Bohumin installed offers two entirely independent full-stereo auxiliary effect loops: **AUX A** and **AUX B**. **AUX A** can be switched between pre-VCA and post-VCA and has manual control over the amount of send and return (the return attenuator is added with Bohumin). **AUX B** is only post-VCA and

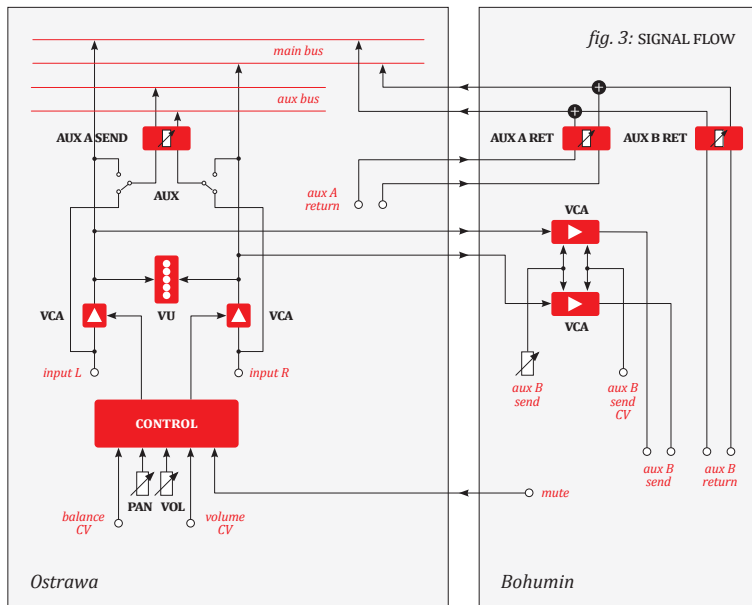


fig. 3: SIGNAL FLOW

the amount of send can be controlled manually and via the additional VCAs inside Bohumin. The corresponding inputs accept bipolar voltages. A CV of 0 to +8V increases the amount of send relative to what is set with the knob, while negative CV of 0 to -8V gradually attenuates the signal even with **AUX B SENDS LEVEL** attenuators fully open.

ACTIVITY CONTROL INPUTS

By feeding gate signals to the four **ACTIVE** inputs in Bohumin, it is possible to remotely control the opening and closing of each

channel in Ostrava in the same way as clicking its front panel buttons. A gate ON signal (about +2.4V or more) activates the channel, while OFF (0V) mutes it (in a clickless way). Even with the gate signal patched, the panel buttons still remain operational; however, unplugging the signal will leave your channel muted.

ACCESSORY

Our Coal Mine black panels are available for all Xaoc Devices modules. Sold separately. Ask your favorite retailer. •

WARRANTY TERMS

XAOC DEVICES WARRANTS THIS PRODUCT TO BE FREE OF DEFECTS IN MATERIALS OR WORKMANSHIP AND TO CONFORM WITH THE SPECIFICATIONS AT THE TIME OF SHIPMENT FOR ONE YEAR FROM THE DATE OF PURCHASE. DURING THAT PERIOD, ANY MALFUNCTIONING OR DAMAGED UNITS WILL BE REPAIRED, SERVICED, AND CALIBRATED ON A RETURN-TO-FACTORY BASIS. THIS WARRANTY DOES NOT COVER ANY PROBLEMS RESULTING FROM DAMAGES DURING SHIPPING, INCORRECT INSTALLATION OR POWER SUPPLY, IMPROPER WORKING ENVIRONMENT, ABUSIVE TREATMENT, OR ANY OTHER OBVIOUS USER-INFLICTED FAULT.

LEGACY SUPPORT

IF SOMETHING GOES WRONG WITH A XAOC PRODUCT AFTER THE WARRANTY PERIOD IS OVER, THERE IS NO NEED TO WORRY, AS WE'RE STILL HAPPY TO HELP! THIS APPLIES TO ANY DEVICE, WHEREVER AND WHENEVER ORIGINALLY ACQUIRED. HOWEVER, IN SPECIFIC CASES, WE RESERVE THE RIGHT TO CHARGE FOR LABOR, PARTS, AND TRANSIT EXPENSES WHERE APPLICABLE.

RETURN POLICY

THE DEVICE INTENDED FOR REPAIR OR REPLACEMENT UNDER WARRANTY NEEDS TO BE SHIPPED IN THE ORIGINAL PACKAGING ONLY AND MUST INCLUDE A COMPLETED RMA FORM. XAOC DEVICES CAN NOT TAKE ANY RESPONSIBILITY FOR DAMAGES CAUSED DURING TRANSPORT. SO BEFORE SENDING US ANYTHING, PLEASE CONTACT US AT **SUPPORT@XAOCDEVICES.COM**. NOTE THAT ANY UNSOLICITED PARCEL WILL BE REJECTED AND RETURNED!

GENERAL INQUIRIES

FOR USER FEEDBACK SUGGESTIONS, DISTRIBUTION TERMS, AND JOB POSITIONS, FEEL FREE TO CONTACT XAOC DEVICES AT **INFO@XAOCDEVICES.COM**. PLEASE VISIT **XAOCDEVICES.COM** FOR INFORMATION ABOUT THE CURRENT PRODUCT LINE, USER MANUALS, FIRMWARE UPDATES, TUTORIALS, AND MERCHANDISE.

WORKING CLASS ELECTRONICS®

EASTERN BLOC TECHNOLOGIES



MADE IN THE EUROPEAN UNION

ALL RIGHTS RESERVED. CONTENT COPYRIGHT ©2023 XAOC DEVICES. COPYING, DISTRIBUTION, OR COMMERCIAL USE IN ANY WAY IS STRICTLY PROHIBITED AND REQUIRES WRITTEN PERMISSION FROM XAOC DEVICES. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. EDITING BY BRYAN NOLL.

FEATURES

*Expander for
Xaoc Devices
Ostrawa mixer*

*Additional AUX B
effect loop*

*Full stereo sends
and returns*

*CV inputs for
controlling AUX
B sends*

*Return attenu-
ators for AUX A
and AUX B*

*Gate control in-
puts for clickless
channel muting*

SPECIFICATION

*Eurorack syn-
thesizer format
compatible*

*10hp wide,
31 mm deep
(including the
ribbon cable and
bracket)*

*Current drawn
from Ostrawa:
+50mA/-40mA*