

# OC18 Large-Diaphragm Condenser Microphone with Cardioid Polar Pattern

# **Owner's Manual**

### **Introduction and Safety Instructions**

Please read, understand, and follow all instructions in this manual before using this product.

This product was made for professional users and we ask you to follow a few restrictions to guarantee a hassle-free workflow for you, and to keep the product in perfect working condition:

- Please do not operate this product in other than the intended use cases.
- Do not use if the product is defective
- Always keep and operate the product in a dry and safe place
- Do not expose it to excessive heat (for example, do not leave it in your car parked in the sun)
- If you need to bring the product inside from the cold, please give it time to reach adequate temperature before use (allowed storage temperature range: -25°C to 60°C).
- Do not operate outside the intended operating temperature range: 0°C to 55°C
- Do not use this product in a wet or in humid environment
- Do not drop
- When used upside down (for example in the OCH8 or OCS8) make sure that a tight fit is achieved and do not operate it upside down right above personnel
- This product requires a phantom power source of 48V (+/-4V), max draw is 2.2mA
- Please keep this product away from small children and persons who are not able to operate professional audio equipment (some sound technicians with gray pony-tails included)
- If you need to clean the product, do this only with a soft dry cloth
- Please do not use any third-party accessories unless otherwise stated
- Do not disassemble the product, as there are no user-serviceable parts inside (but plenty of components to mess up)
- The length of the XLR cable must not exceed 30m.
- Do not remove the sticker

Thank you for reading the instructions so far, and thank you for putting your trust in Austrian Audio.



## **How to Operate the OC18:**

The OC18 requires phantom power, so please make sure that you are supplying it according to P48 (48V +/- 4V). Peak current consumption is below 2.2 mA. Almost all state-of-the-art professional mixing consoles, preamps and audio interfaces provide enough power, however some battery driven, or older devices may fail to do so!

# *Setting up the OC18:*

For optimum performance, do not cover the grill of the OC18, and always ensure a secure fit in the OCH8 (holder) or OCS8 (suspension).

Always place your sound source to face our beautiful logo!

# **High Pass Filter:**

The high pass filter is a powerful tool to reduce unwanted low frequencies, like stage noise, handling, or your Uncle Albert's singing.

"0" means not active

"40" is a high pass 2<sup>nd</sup> order filter at 40 Hz

"80" is a high pass 2<sup>nd</sup> order filter at 80 Hz

"160" is a high pass 1<sup>st</sup> order filter from 160 Hz to 80 Hz, and a high pass 2<sup>nd</sup> order filter below 80 Hz.

#### **Pad Switch:**

The Pad switch reduces the sensitivity of the microphone and prevents overloading the microphone in loud environments.

"0" means not active

"-10" means that the microphone is 10 dB less sensitive

"-20" means that the microphone is 20 dB less sensitive

"-30" means you may need to see an optician, as there is no "-30" position.

Note: The -10dB position reduces the bias voltage of the capsule, so the microphone can take 10dB more input (I am looking at you there, trombone jockey), whereas the -20db Setting reduces the gain by another 10 dB to protect your mixer preamp from overload.



#### Made in Austria

This product conforms to the standards listed in the Declaration of Conformity and can be found at <a href="http://austrian.audio/OC18">http://austrian.audio/OC18</a>

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