



ARGON8X

Modal ARGON8X

8 voice polyphonic wavetable synthesiser

User Manual

OS Version - 3.2

00

Introduction

Modal ARGON8X is an eight voice polyphonic wavetable synthesiser.

It features four digital oscillators per voice split into two controllable wavetables with one innovative offline wave modifier available per wavetable with 32 different options to redraw each wavetables and one modulatable oscillator modifier available per patch with eight modifier types to choose from.

There are eight flexible multi-mode filters and three dedicated flexible envelope generators for AMP, MOD and FILTER that can be accessed independently or all three simultaneously on board.

ARGON8X also boasts a hugely powerful “Mod Matrix” with eight assignable slots and four additional fixed routes, 11 mod sources and 52 destinations.

The 4-axis joystick can be assigned to a huge range of modulation destinations and can be ‘locked’ in place when desired.

There are two Audio rate LFO's with tempo sync (one poly, one global). Polyphonic LFO can sync to frequency divisions.

ARGON8X has 27 on board FX; a waveshaping distortion that is followed by three incredibly powerful, independent and user configurable stereo FX engines that can create sophisticated Delays, lush Reverbs, Flanging, Phasing, and Rich Choruses to name a few.

The hardware has been manufactured with high-quality components: a powder coated black steel case, anodised aluminium top panel, endless encoders and a super bright white on black OLED screen.

Among the many connections, Modal ARGON8X features a USB port to connect your synth to the MODALapp user interface on a computer tablet or phone. This can be used for preset design and management as well as updating the firmware on your ARGON8X (please see ‘Updates’ section).

01

Getting Started

Basic Functions

Powering on

Connect the power lead to your ARGON8X then connect the outputs of the ARGON8X to your mixer, or if you prefer, connect your headphones. Optionally connect a USB cable from your computer or tablet device to the ARGON8X for MODALapp communication.

Then power on.

You will see a loading animation on the screen. When the synth has loaded it will change to show the main patch page.

Screen Control

The Modal ARGON8X interface is designed to be extremely intuitive and easy to use, so that all the most important parameters are easily accessible and tweakable directly from the top panel, however, all functions are also accessible and tweakable on-screen using the two detented encoders.

These two switched-encoders are located either side of the screen are used for screen navigation and control and can be clicked to either switch mode or trigger / modify the selected function:

- **Page/Param** - When this encoder is in 'Page' mode (top row of on-screen text) it cycles through the parameter pages / groups (e.g. Osc1, Osc2, Filter); when it's in 'Param' mode (bottom row of on-screen text) it cycles through the parameters on that page / group. Use the switch by clicking the encoder to toggle between the two modes, where the mode is displayed on the screen with a line at top for 'Page' mode and at the bottom for 'Param' mode.
- **Preset/Edit (/Bank)** - This encoder/switch is used to adjust the currently selected value or 'trigger' the currently displayed parameter. When the panel is in 'Shift' mode the 'Load Patch' encoder is used to select the patch bank number, jumping up or down in increments of 100.

03

Synthesis engine



