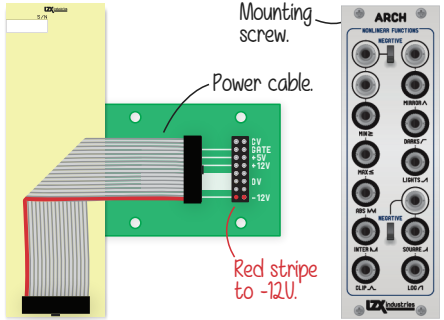
BEFORE YOU BEGIN

Take a moment to familiarize yourself with our website lzxindustries.net. You'll find documentation, instructional videos, links to community forums, and other user resources. Register your product's serial number with us to aid any future technical support requests. Some synthesists will find everything they need to learn this module in this reference card, but don't forget there are videos and patch tips online. If you get stuck, have questions, or need help of any kind -- please write to us.

INSTALLATION

Power down the EuroRack case and unplug it from the wall. Connect the provided EuroRack power cable to your module and then to your EuroRack power bus board as shown. Mount the module in your case using the mounting screws provided by your case's manufacturer.



ARCH SPECIFICATIONS

FORMAT	3U EuroRack Synth Module
WIDTH	8HP
DEPTH	32mm
MAX POWER DRAW	
+12V	65mA
-12V	65mA
+5V	N/A
OUTPUT LEVELS	0-1V
VC CONTROL RANGE	0-1V
MAX INPUT VOLTAGE	+/-12V
INPUT TERMINATION	100K ohms
OUTPUT RESISTANCE	499 ohms

ONE YEAR LZX industries WARRANTY

MADE IN PORTLAND, OR USA

TIPS & TECHNIQUES

- Logic processing is a great way to create new shape variations. At any point in your shape generation patch, patch the H and V ramp signals into Arch's analog logic section and use the outputs to create shapes and keys.
- The Square and Log outputs are complementary functions. If you patch them into the A and B inputs of a crossfader module, you can achieve the full Log-to-Linear-to-Exponential morph, which is a powerful technique.

YOUR NEXT MODULE?

Passage is the system's utility mixing and offset processor, making it the perfect front end for functions without dedicated mix inputs, attenuators, or bias controls. This works especially well when paired with the analog logic inputs on Arch.

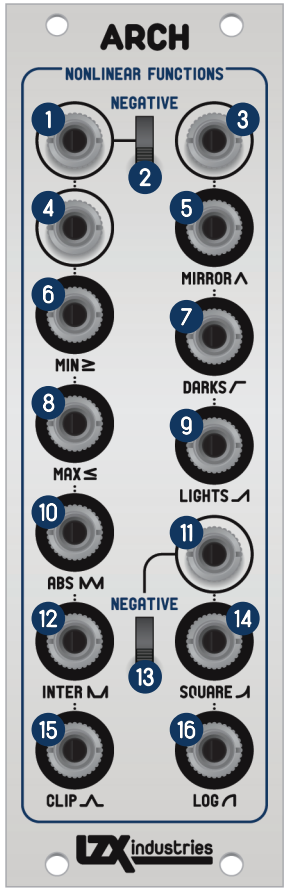
LZX-AR-URC
Written by Lars Larsen
Illustrated by Dave Larsen
First Printing, November 2017

ARCH

USER REFERENCE CARD

LZX industries

ARC



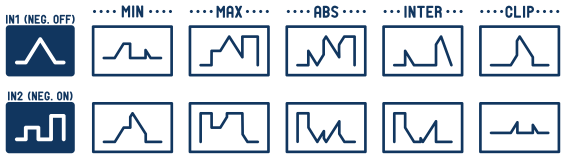
CONTROLS & CONNECTIONS

	LOGIC	
1	Input A	0–1V DC
2	Mode	OFF NEGATIVE 1
4	Input B	0–1V DC
6	Minimum (OR) Out	
8	Maximum (AND) Out	
10	Absolute (XOR) Out	
12	Intersection Out	
15	Clip Out	

	GAMMA	
11	Input	0–1V DC
13	Mode	OFF NEGATIVE 11
14	Square (Exponential)	
16	Logarithm Out	

	RECTIFIER	
3	Input	0–1V DC
5	Mirror Out	
7	Darks Out	
9	Lights Out	

ANALOG LOGIC



GAMMA

RECTIFIER

SIGNAL PATH BLOCK DIAGRAM