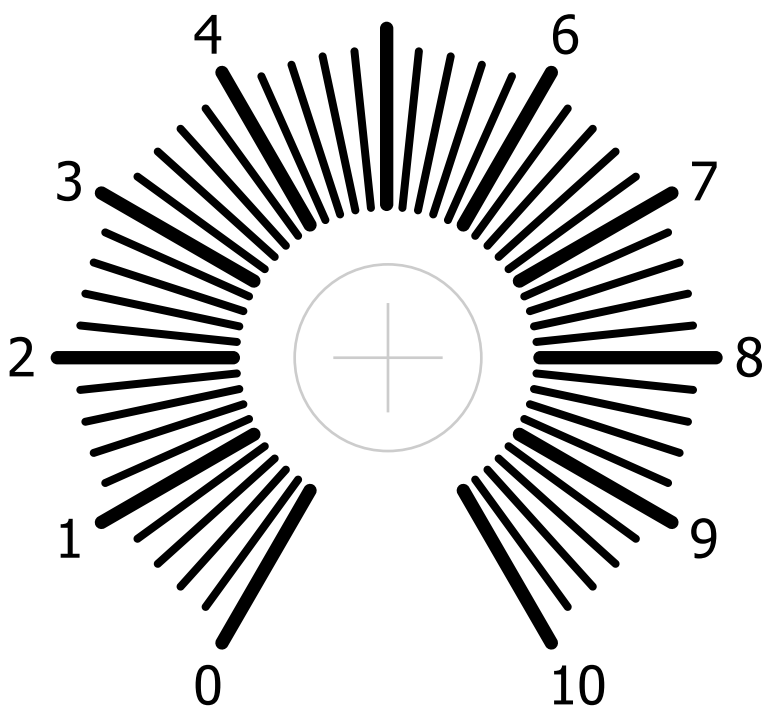




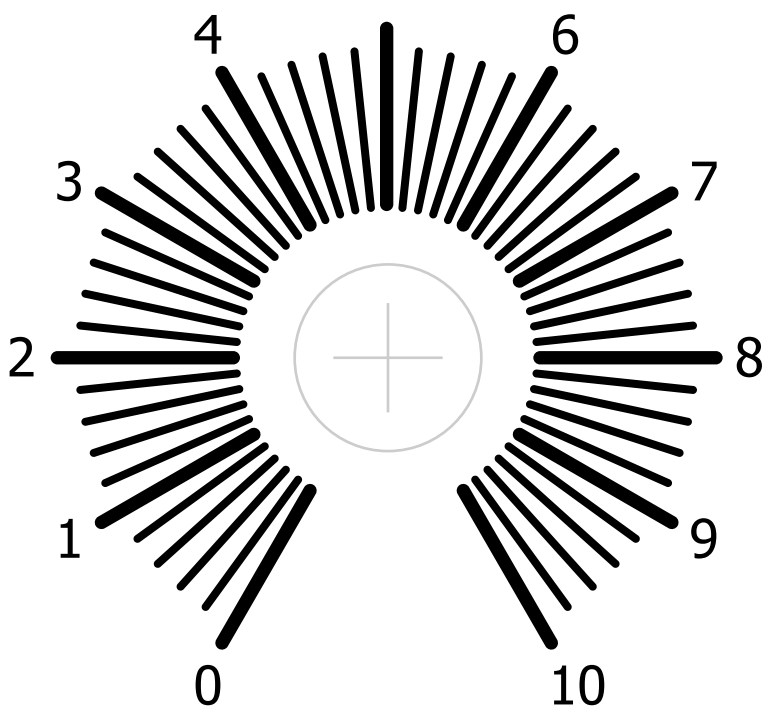
# 1U HEAD



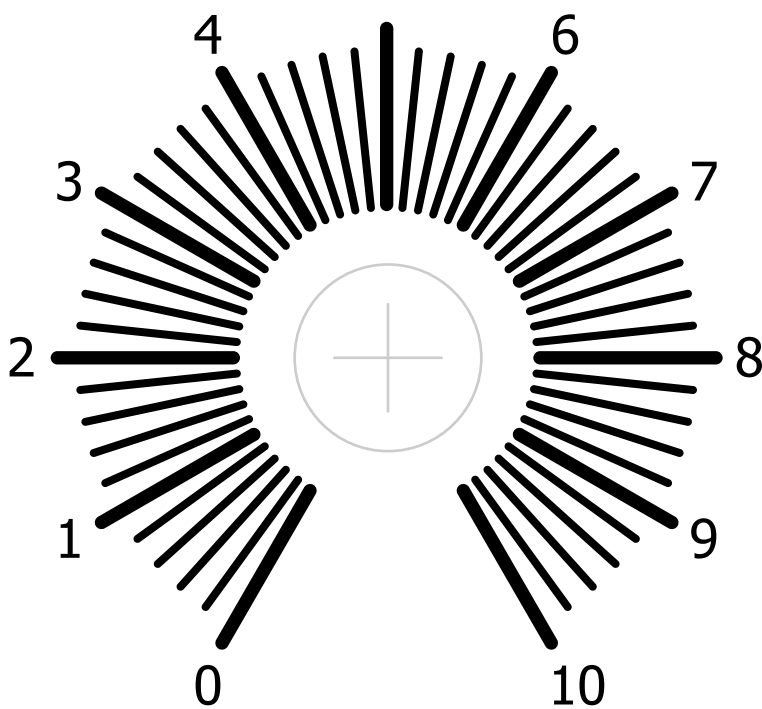
**Dial 1**



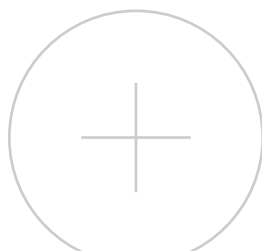
**Dial 2**



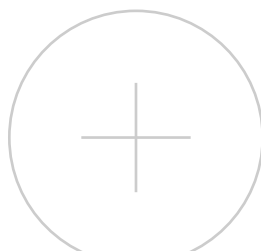
**Dial 3**



**Jack 1**



**Jack 2**



**Jack 3**



**Jack 4**



**Jack 5**



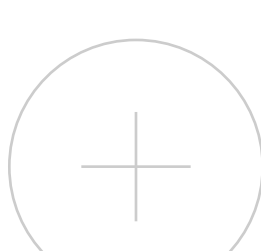
**Jack 6**



**Jack 7**



**Jack 8**



# 1U FOOTER

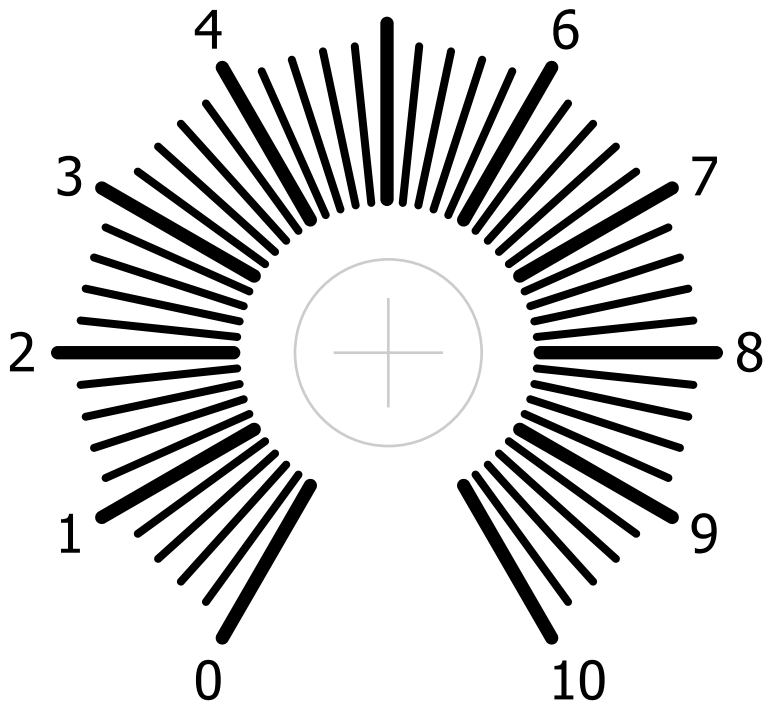




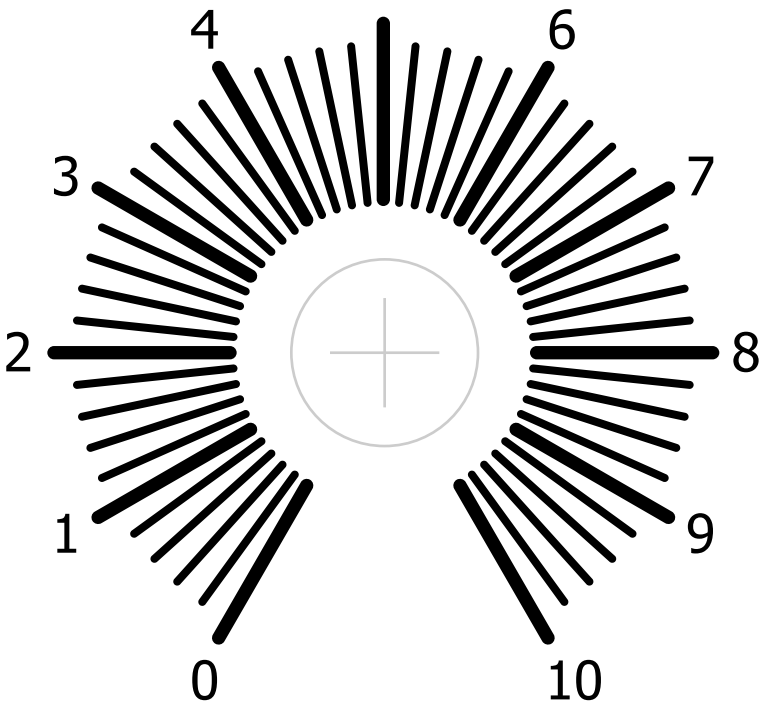
# 2U HEADER



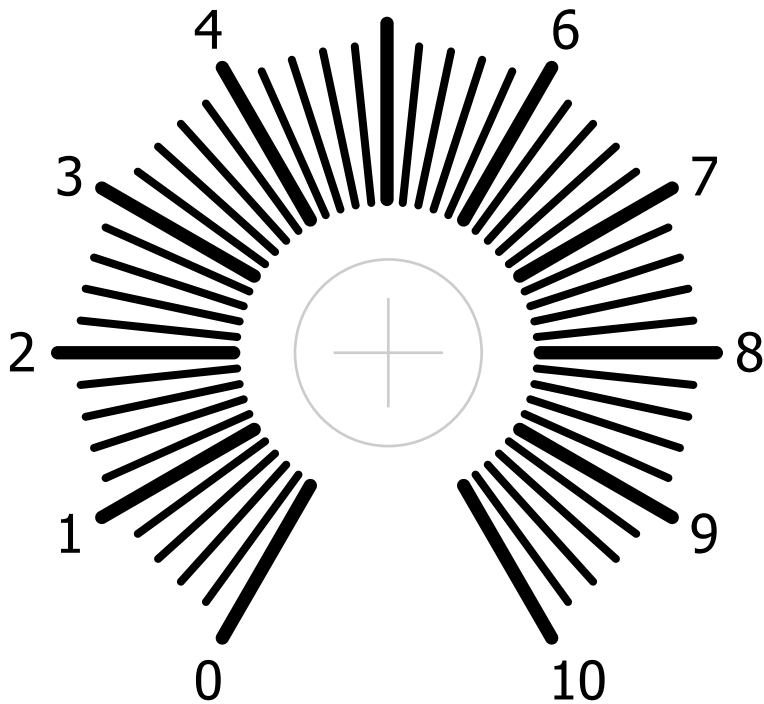
Dial 1



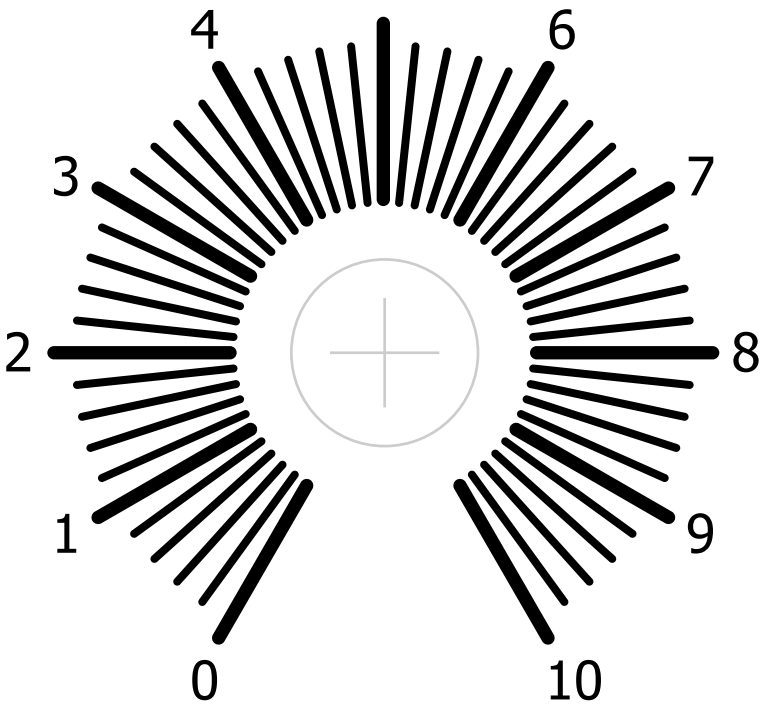
Dial 2



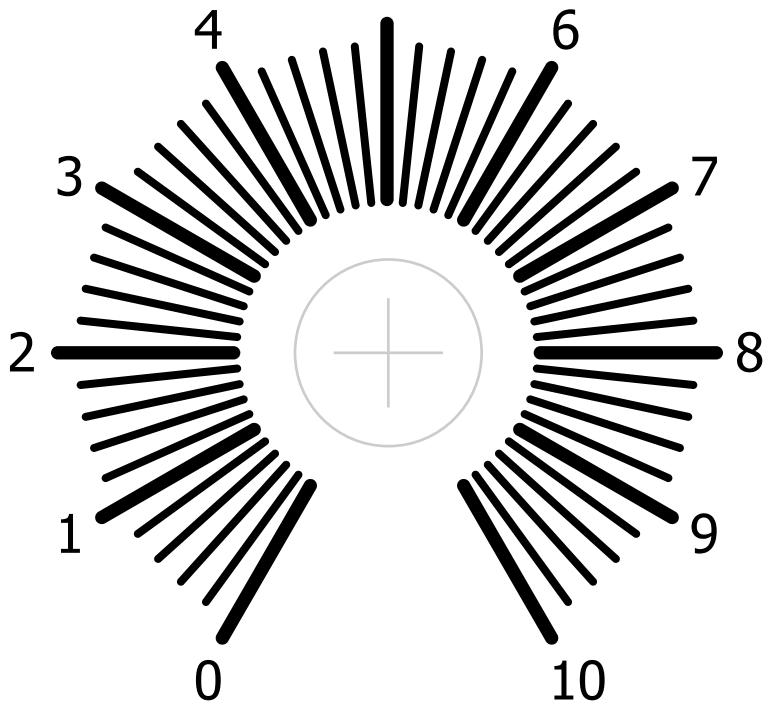
Dial 3



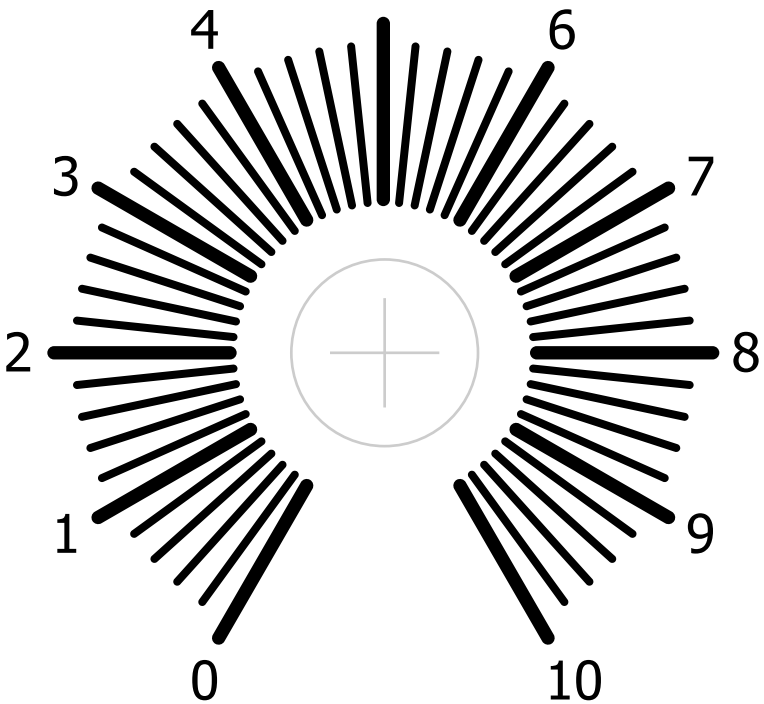
Dial 4



Dial 5



Dial 6



Jack 1



Jack 2



Jack 3



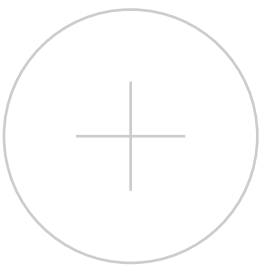
Jack 4



Jack 5



Jack 6



Jack 7



Jack 8



Jack 9



Jack 10



Jack 11



Jack 12



# 2U FOOTER

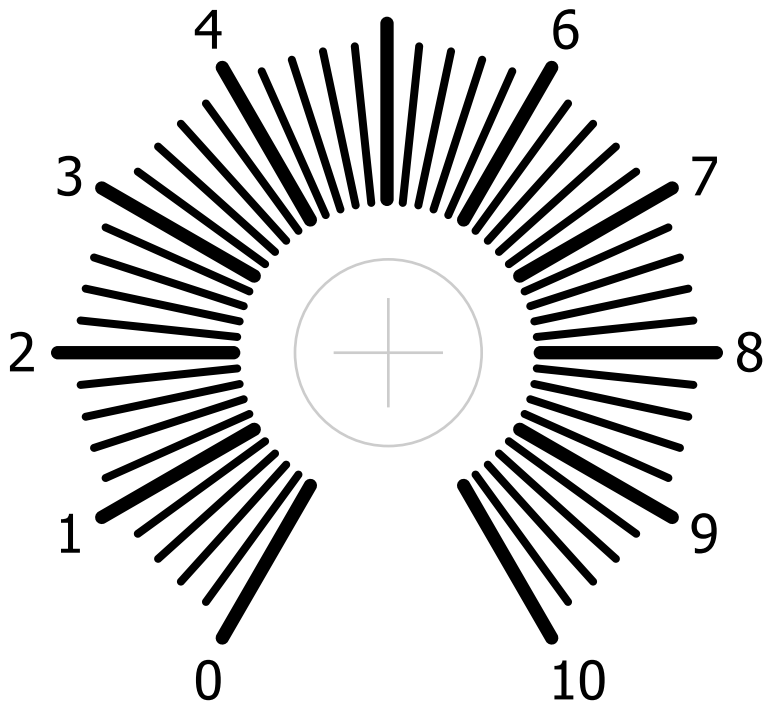




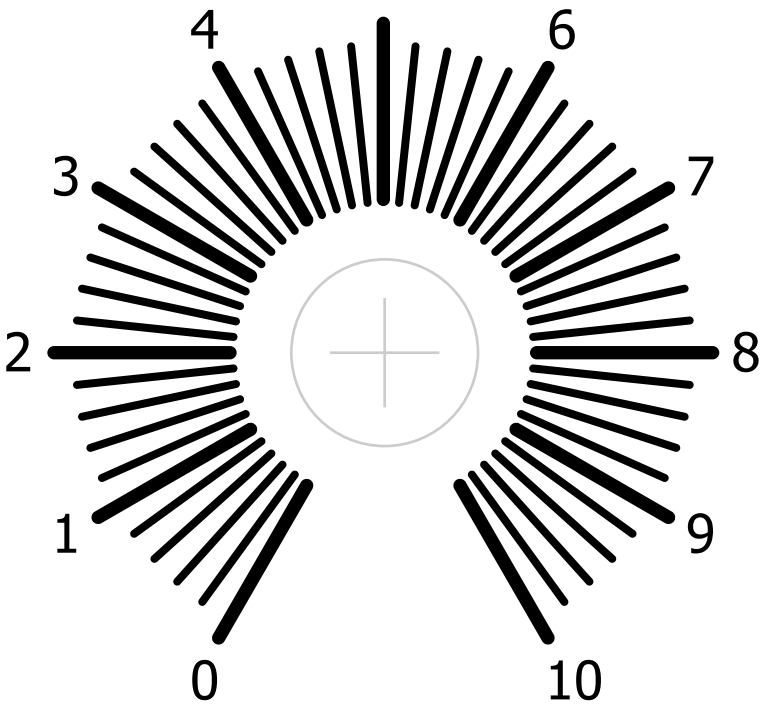
# VCO



Course



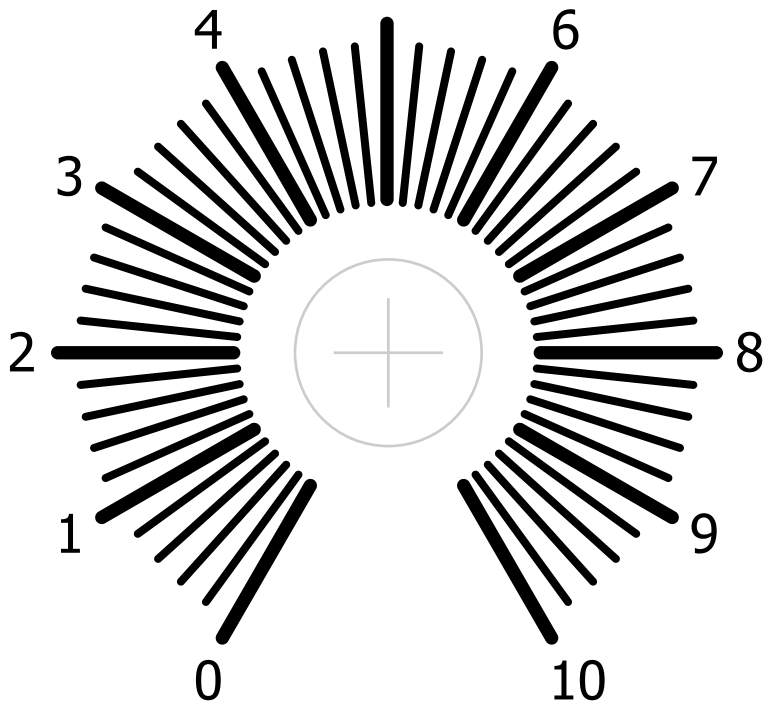
Fine



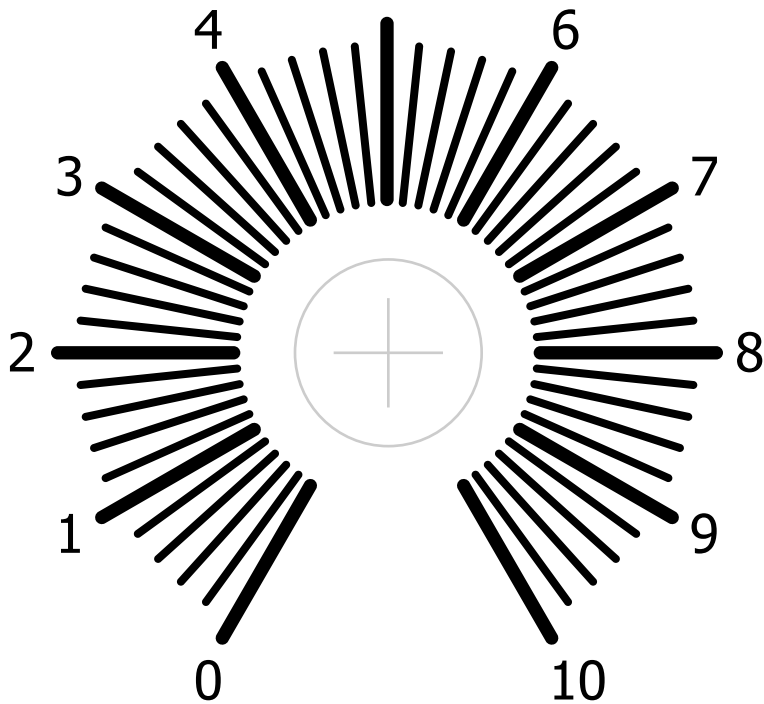
Frequency  
Adjust



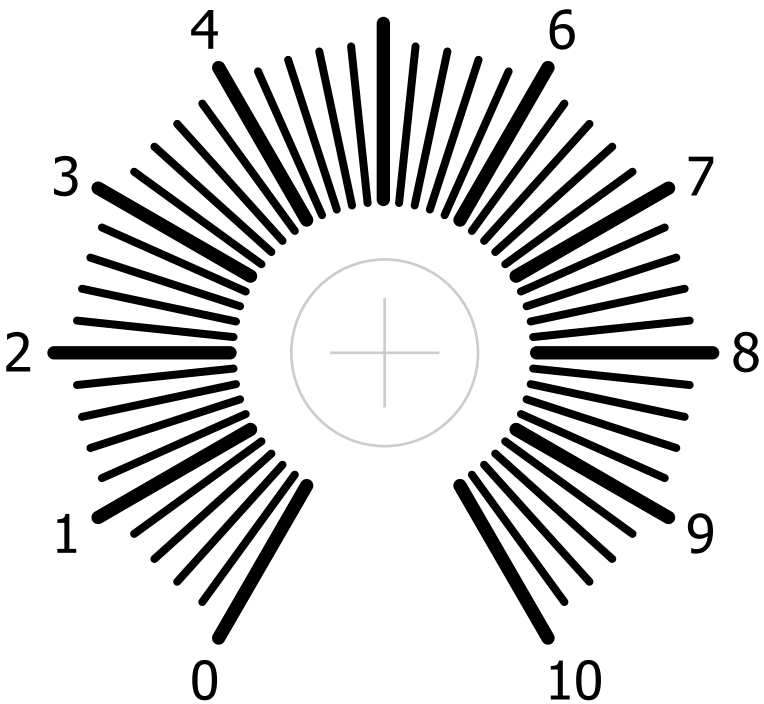
Freq Mod 1 Depth



Freq Mod 2 Depth



PWM Width %



Freq Mod 1 In



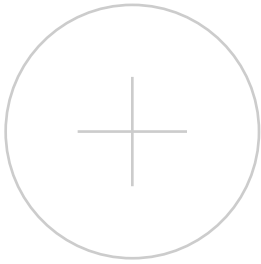
PWM CV In



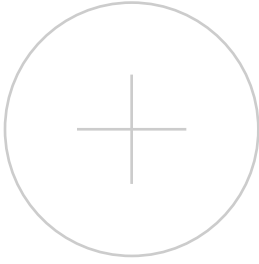
Freq Mod 1 In



Sync In



CV In



Sine Out



Triangle Out



CV Linear In



Ramp Out

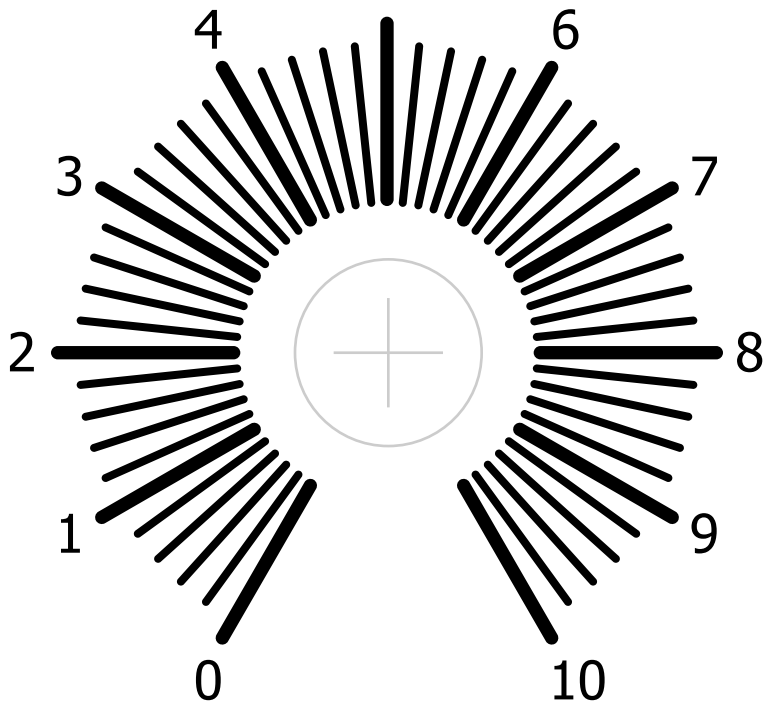


Square Out

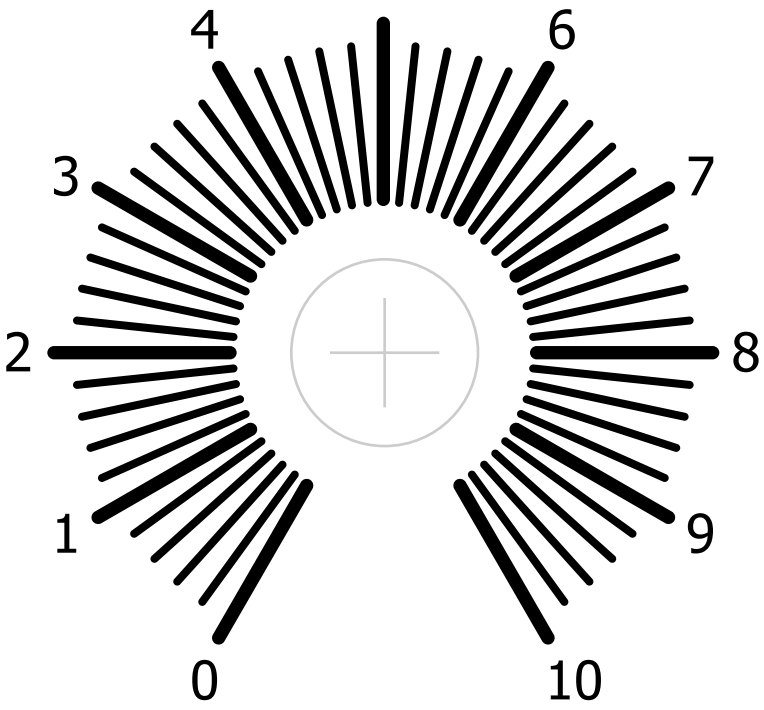


# VCF 12

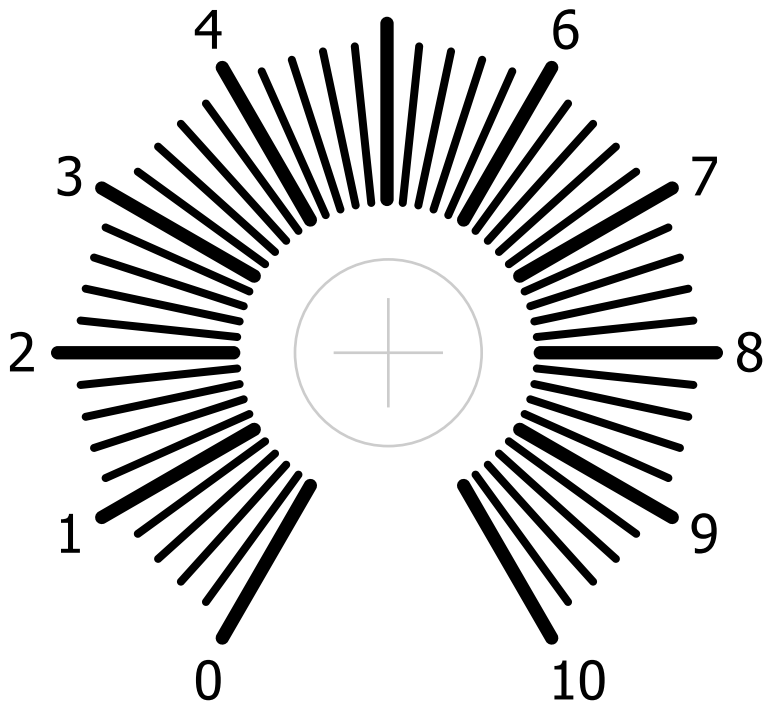
Signal 1



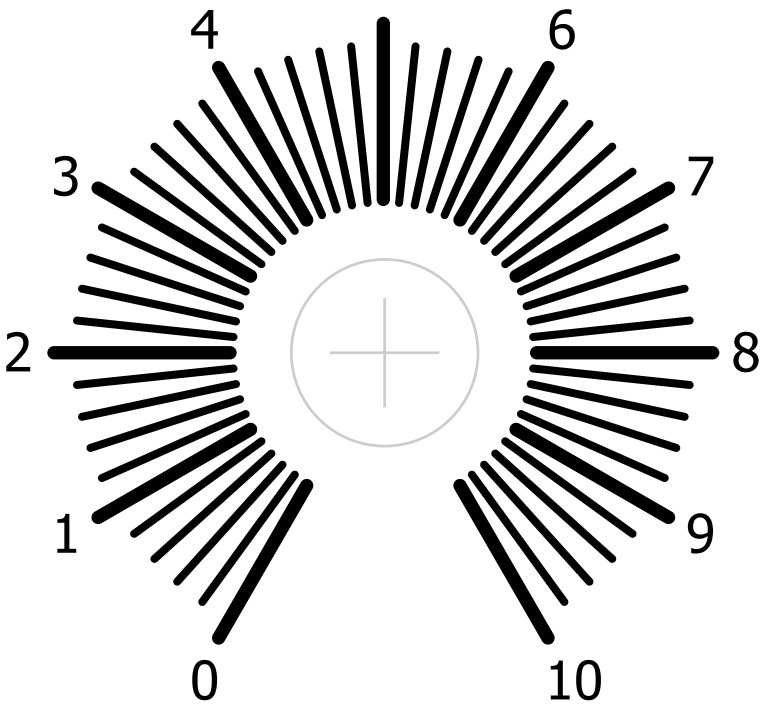
Resonance



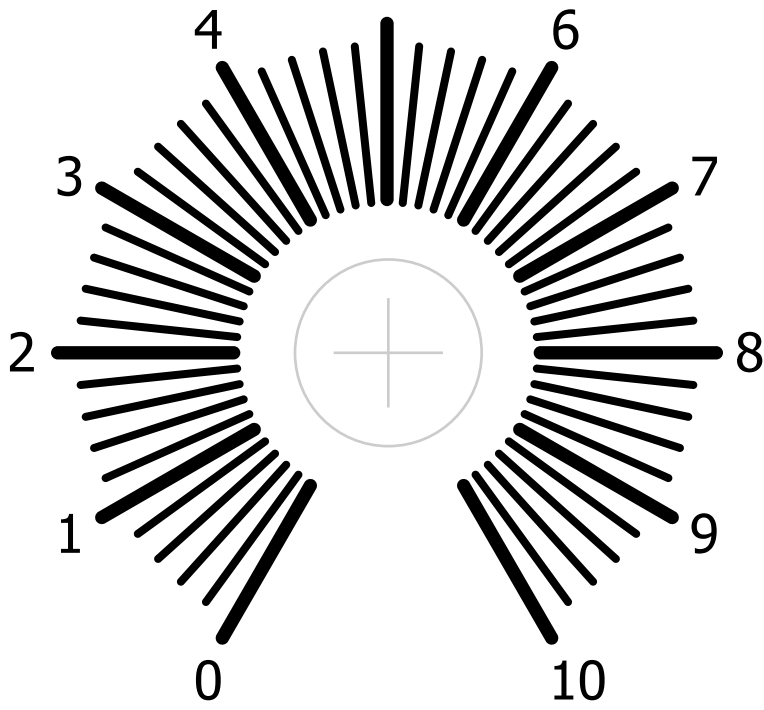
Signal 2



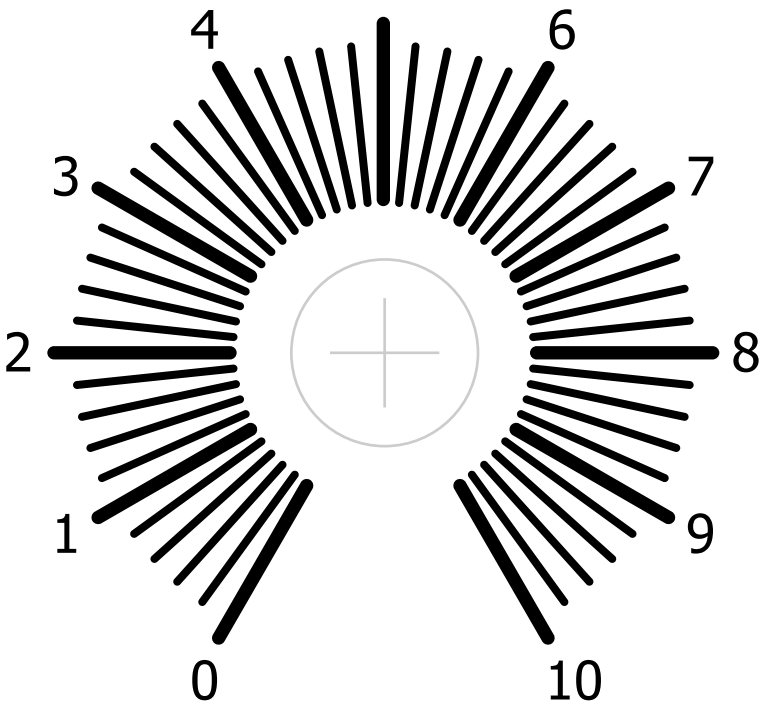
Cut-Off Frequency



Signal 3



Freq Mod Depth



Signal 1 In



Cut-Off CV In



High-Pass Out



Signal 2 In



Freq Mod In



Band-Pass Out



Signal 3 In



Resonance CV In

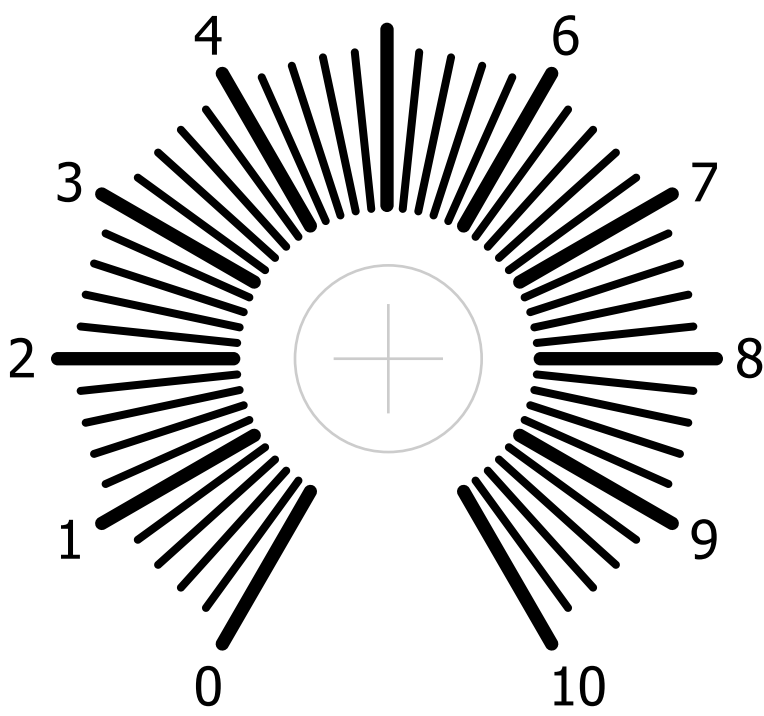


Low-Pass Out

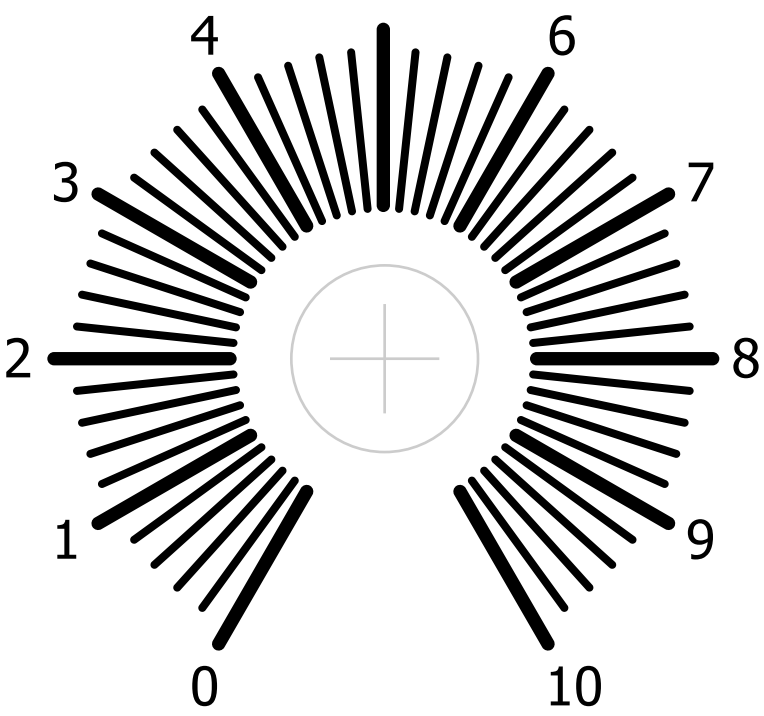


# VCF 24

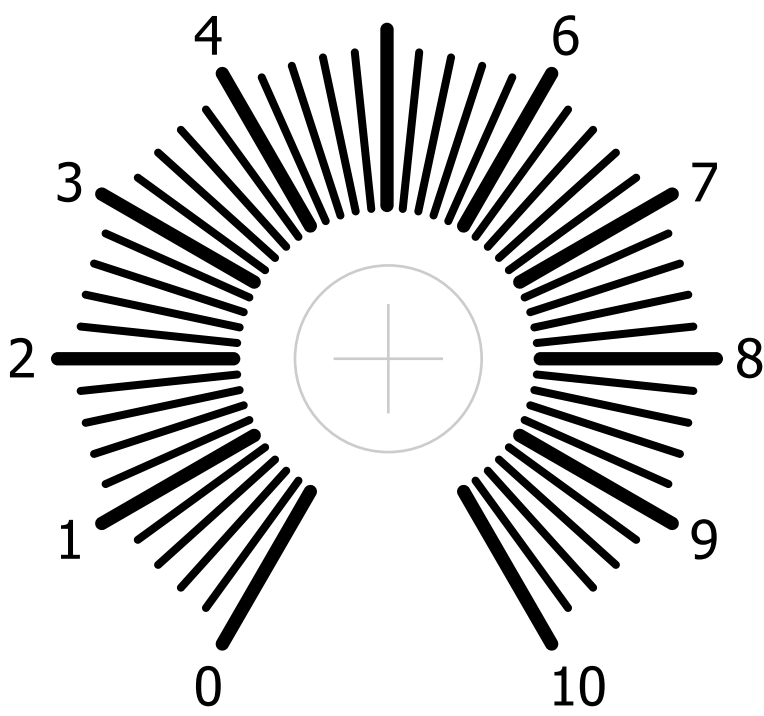
Signal 1



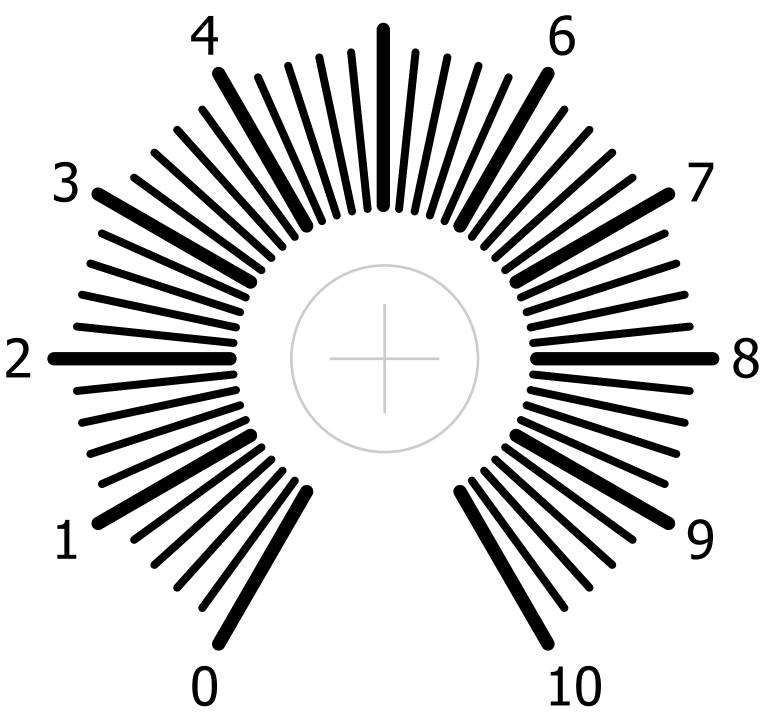
Resonance



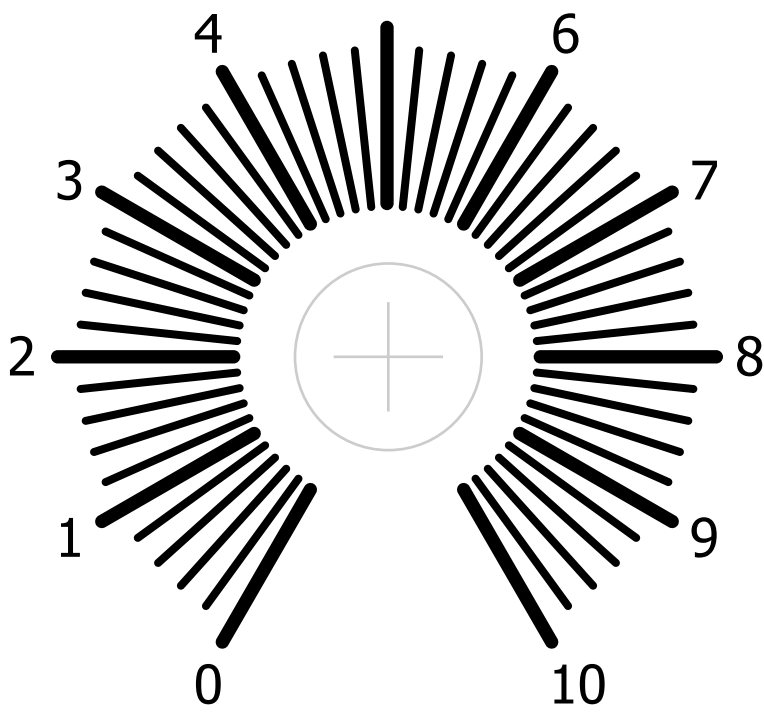
Signal 2



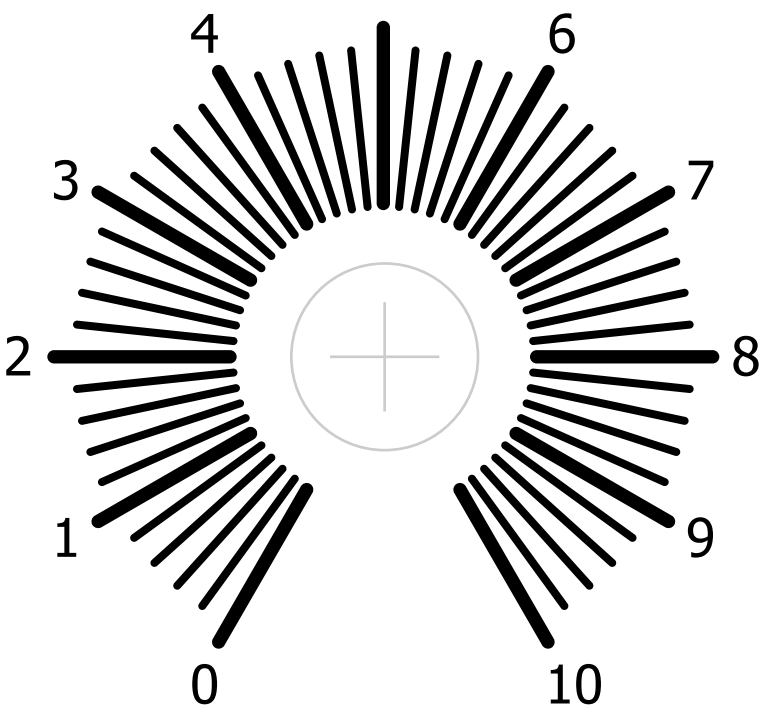
Cut-Off Frequency



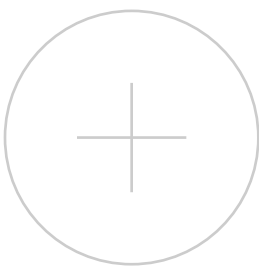
Signal 3



Freq Mod Depth



Signal 1 In



Cut-Off CV In



Cut-Off CV In



Signal 2 In



Freq Mod In



Signal 3 In



Resonance CV In



Low-Pass Out

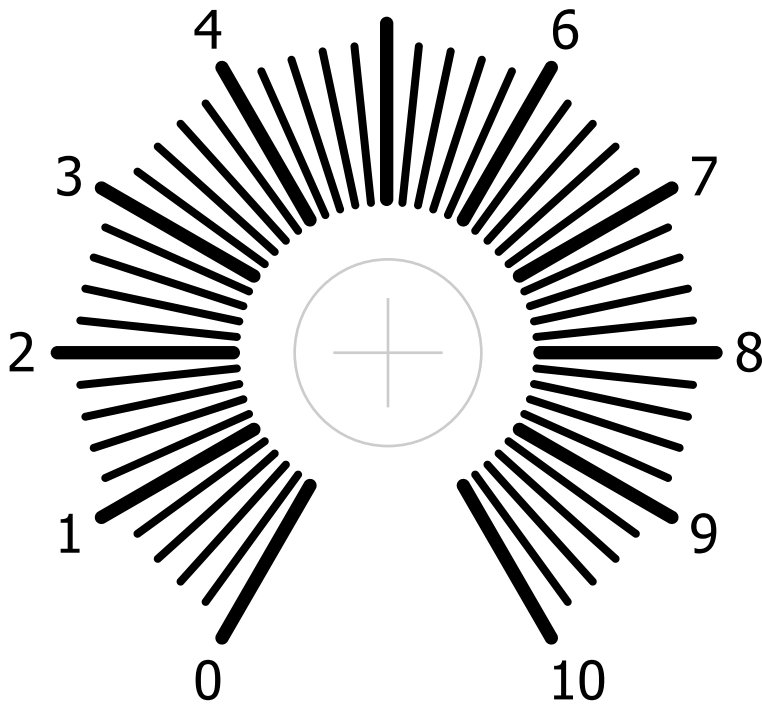




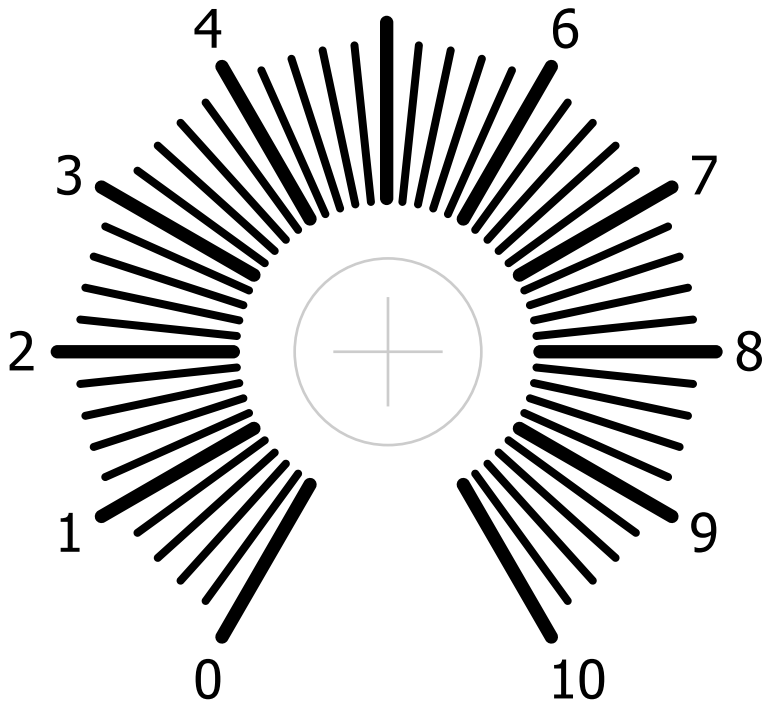
# ADSR



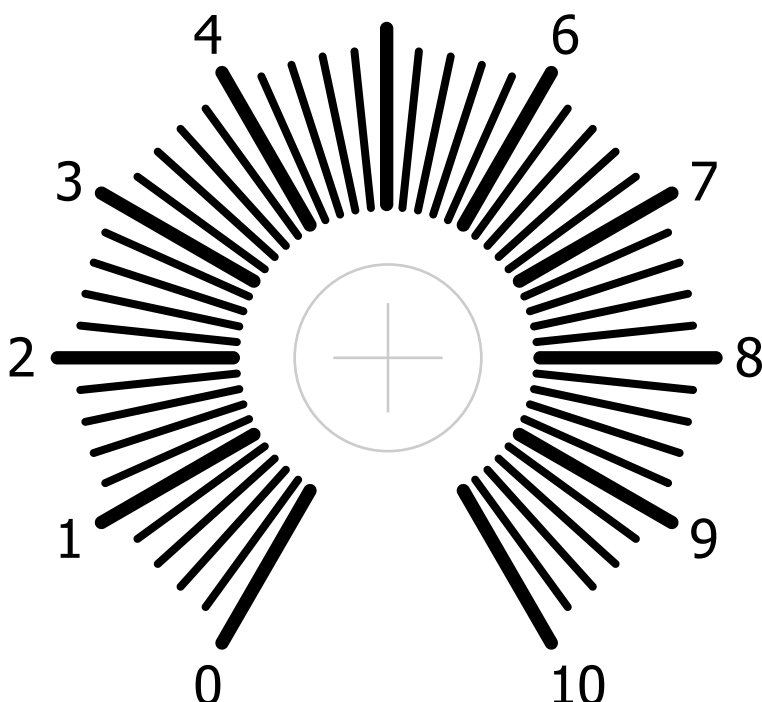
## Attack



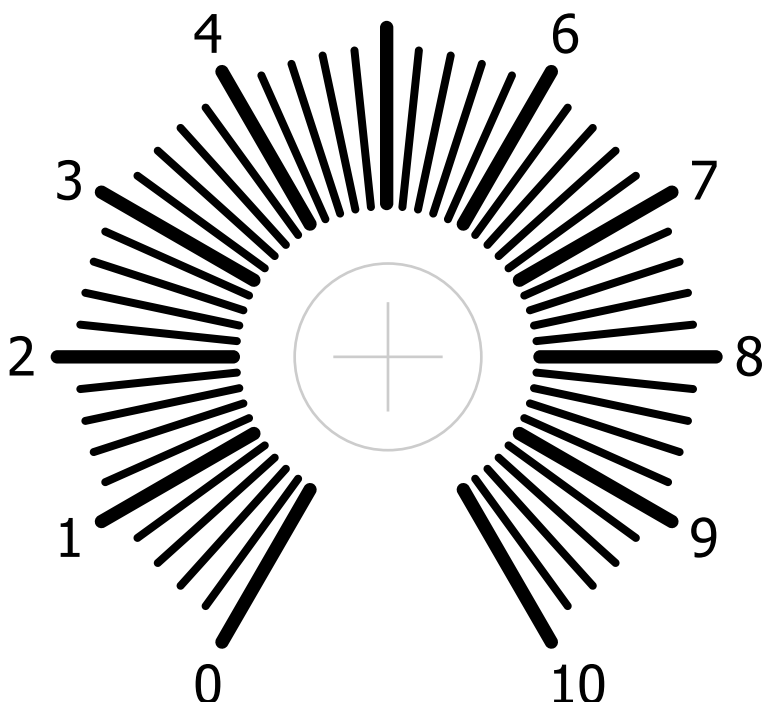
## Decay



## Sustain



## Release



**Manual**

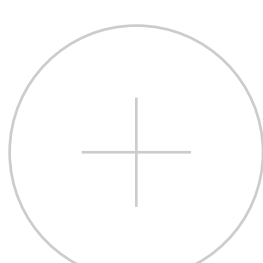
**Duration**

**Short**



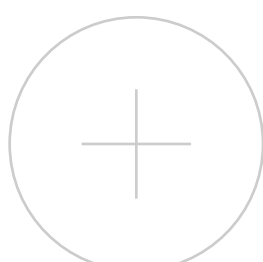
**Long**

**Gate In**



**Trigger In**

**Out**



# MFOS

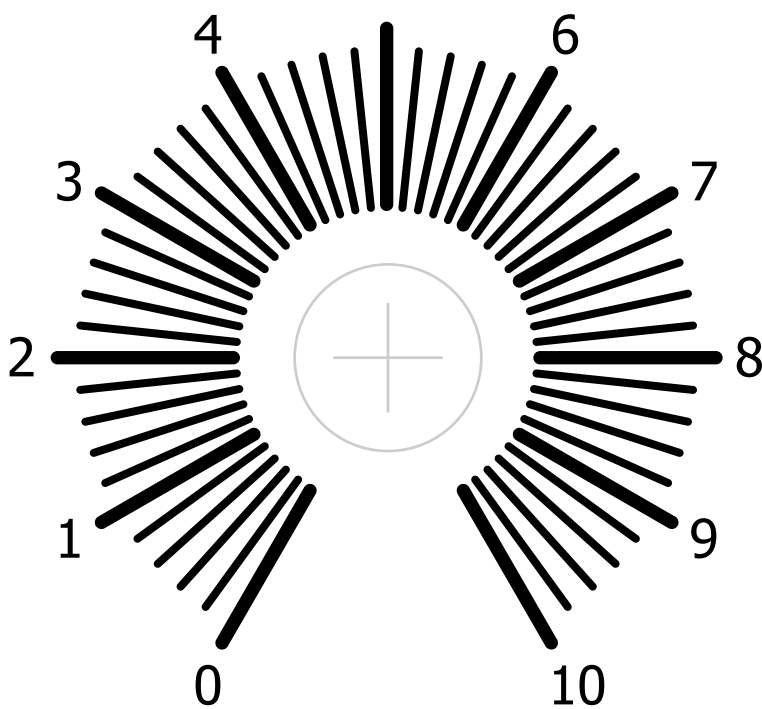




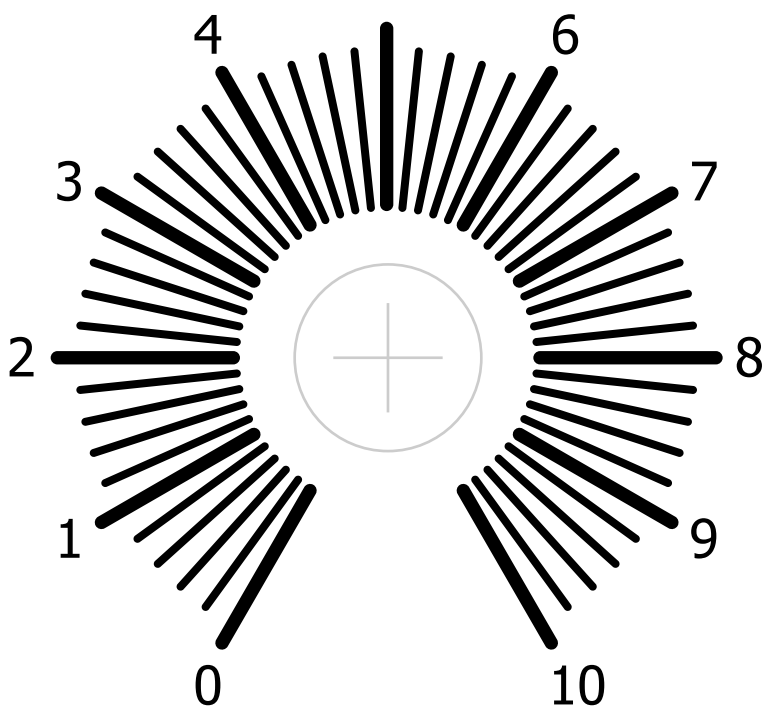
# VCA



## VCA 1 Gain

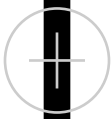


## VCA 2 Gain



## VCA 1

## VCA 2



### Response

### Response

Log

Log



Linear

Linear

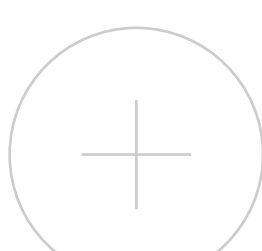
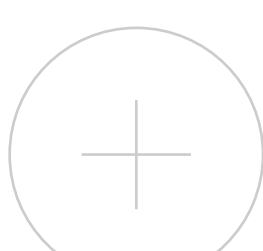
### Input

### Input



### Gain CV In

### Gain CV In



### Gain CV In

### Gain CV In



### Out

### Out



# MFOS

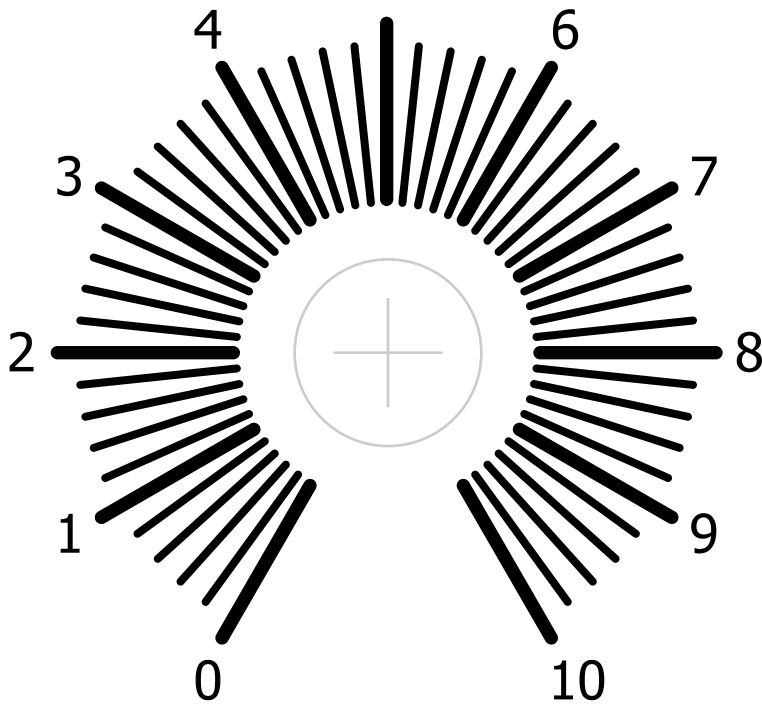




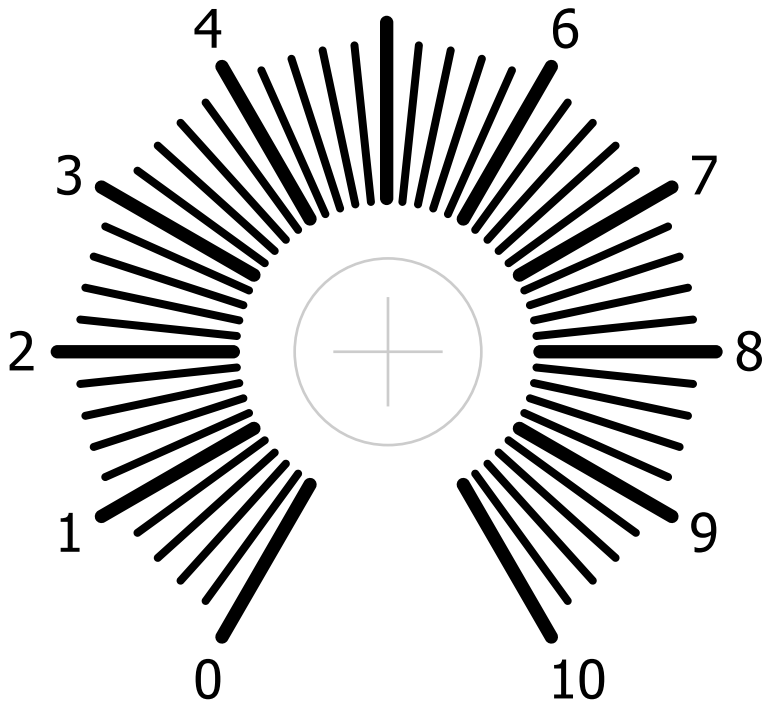
# LFO



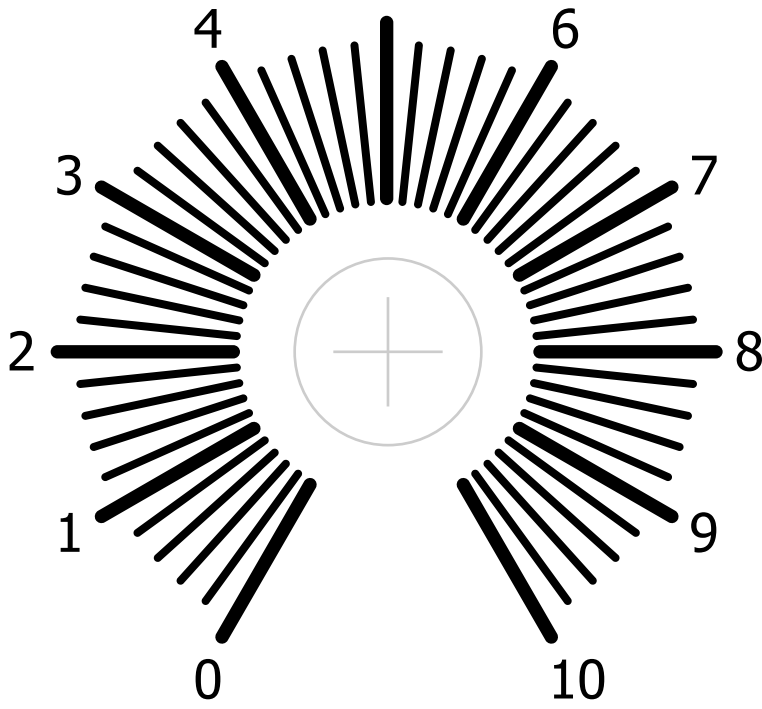
## Course



## Fine



## PWM Width %



## Square Out



## Sine Out



## PWM CV In



## Triangle Out



## Freq CV In



## Saw Out



## Freq CV In



## Ramp Out



# MFOS







# MULTI



**Link 1/2**

**Link 3/4**

**Off**

**Off**



**On**

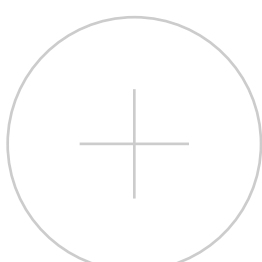
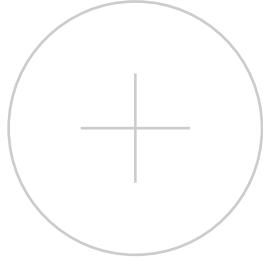
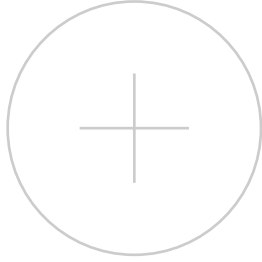
**On**



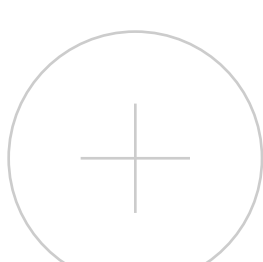
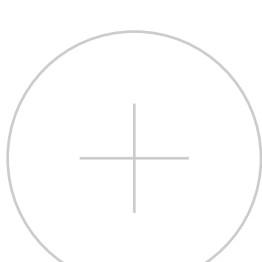
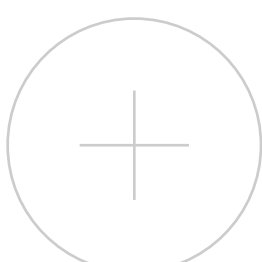
**Bank 1**



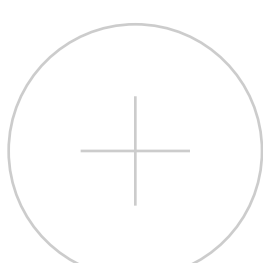
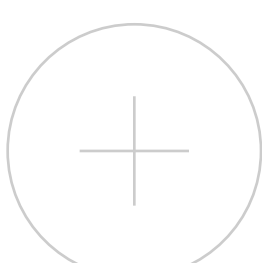
**Bank 2**



**Bank 3**



**Bank 4**

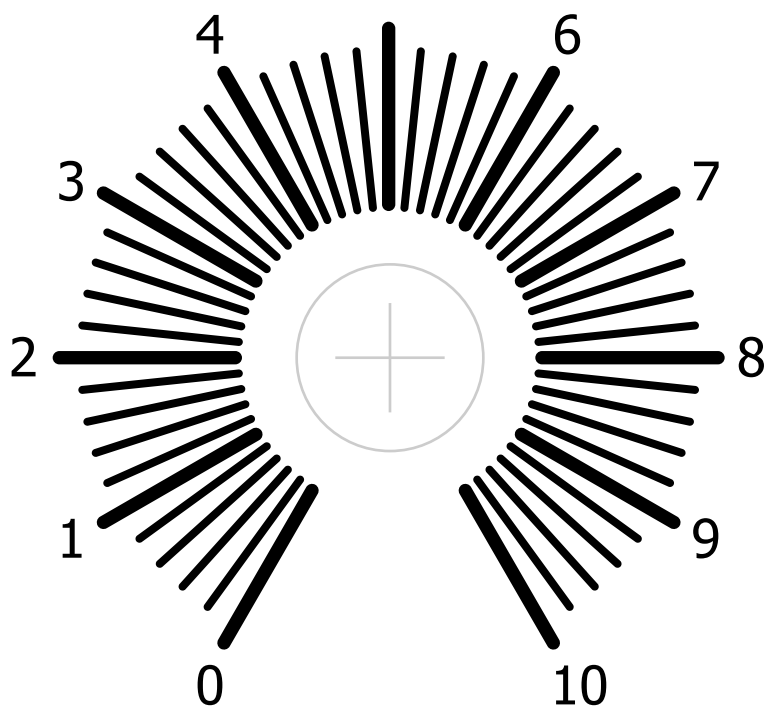




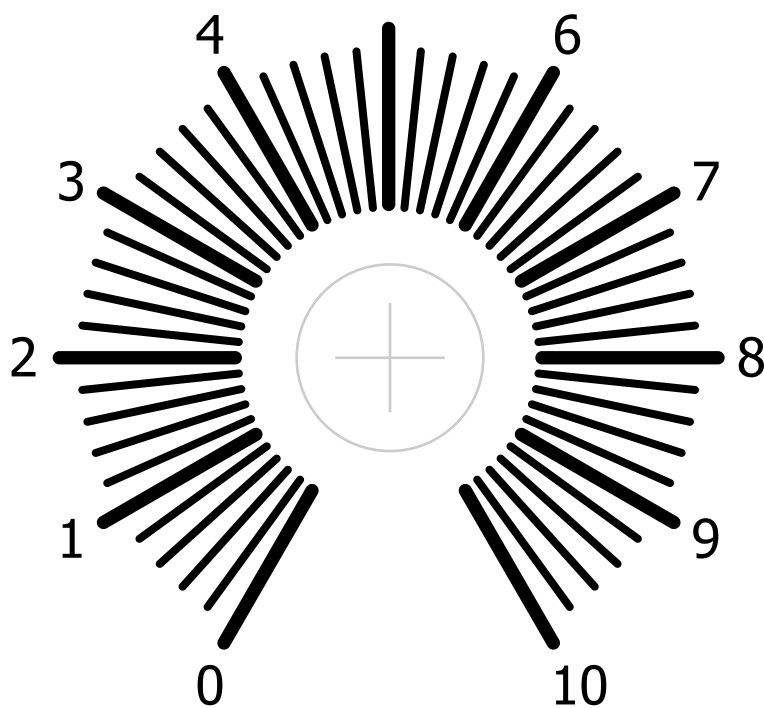
# LEVEL



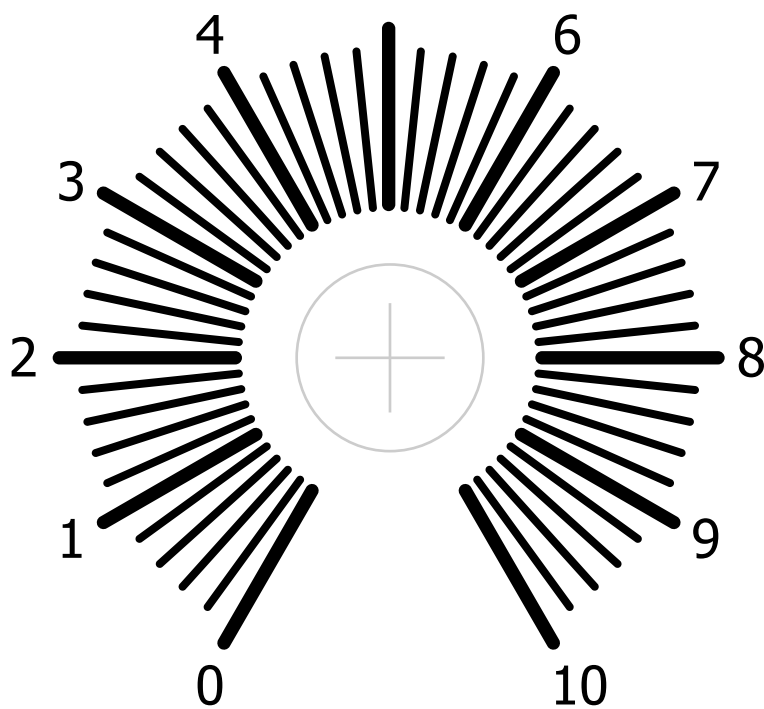
## One



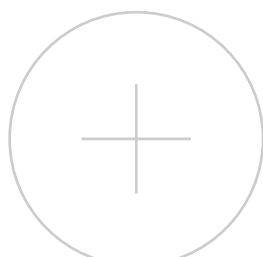
## Two



## Three



## One In



## One Out



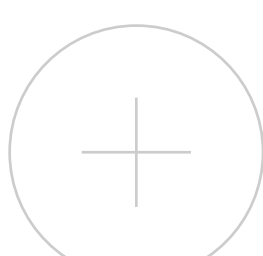
## Two In



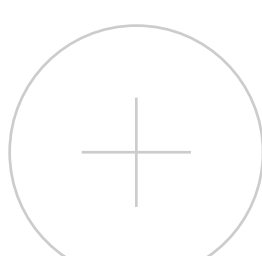
## Two Out



## Three In



## Three Out



## Four In



## Four Out

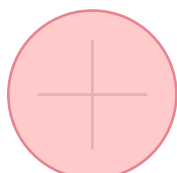




# POWER



**-12V**



**+12V**



**Power  
off**



**On**



# LukeLabs

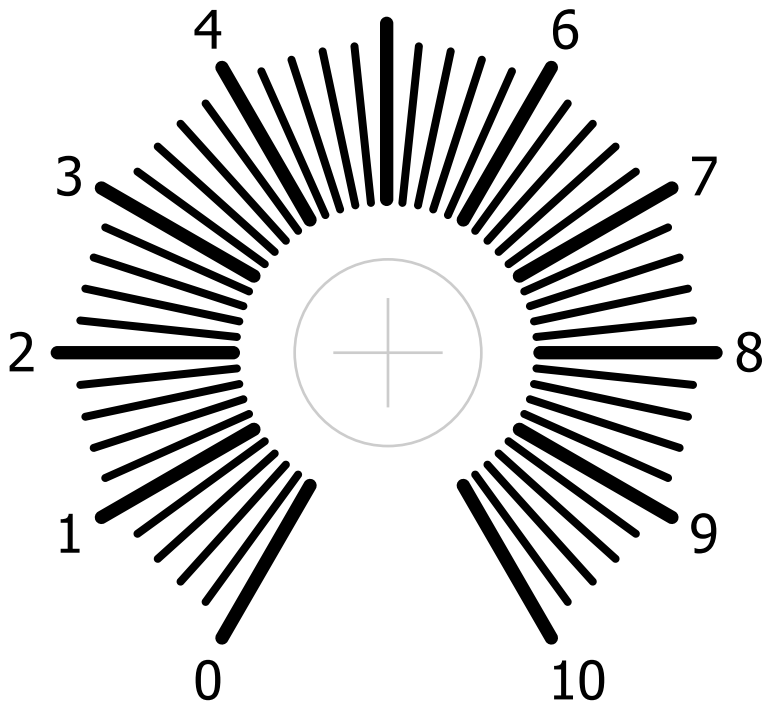




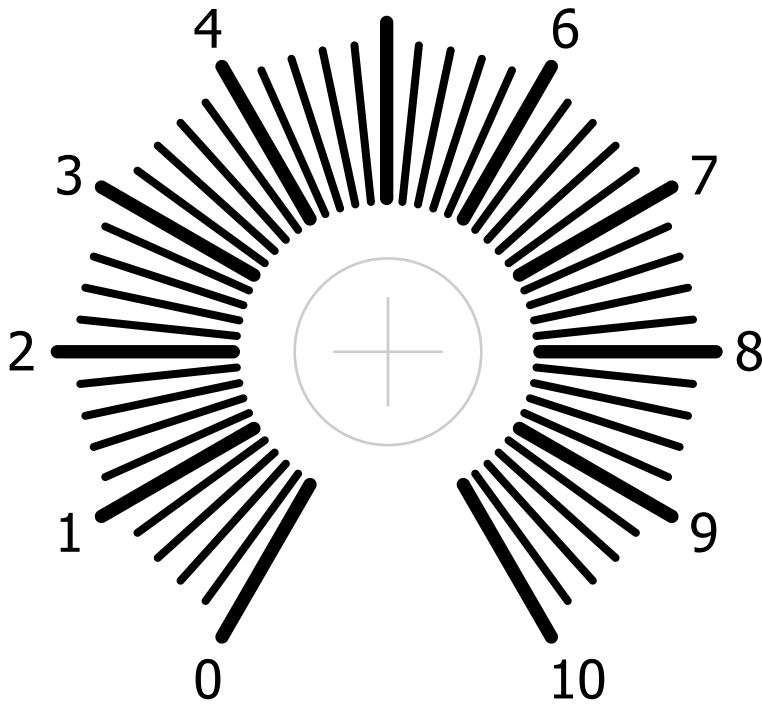
# DMOD



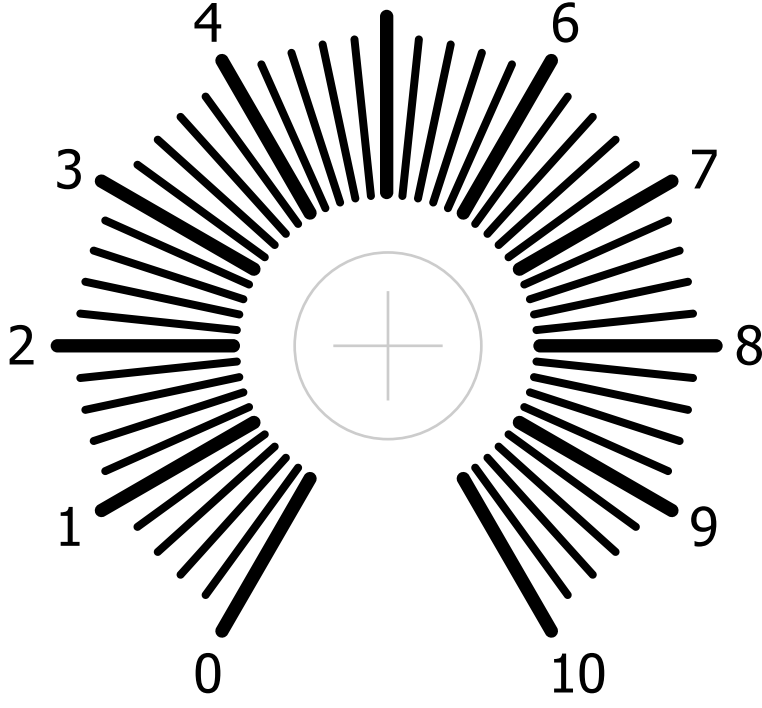
## Attack



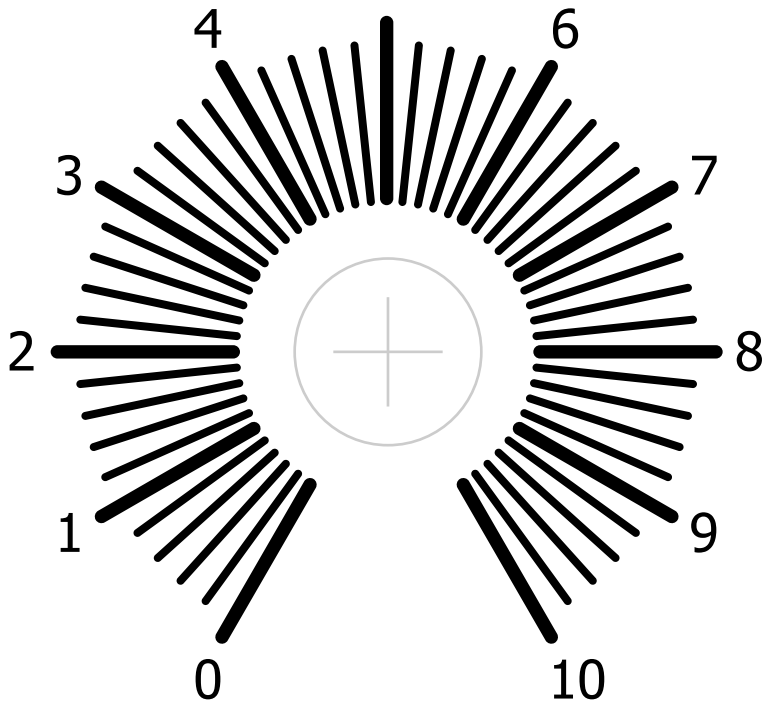
## Release



## LFO Frequency



## Modulation



## LFO Wave

Square



Sine

## Mod Level

Low



High

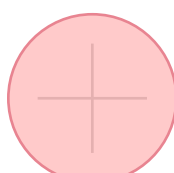
## Input Type

Gated



Triggered

Active



## Trigger In



## Out



# MFOS

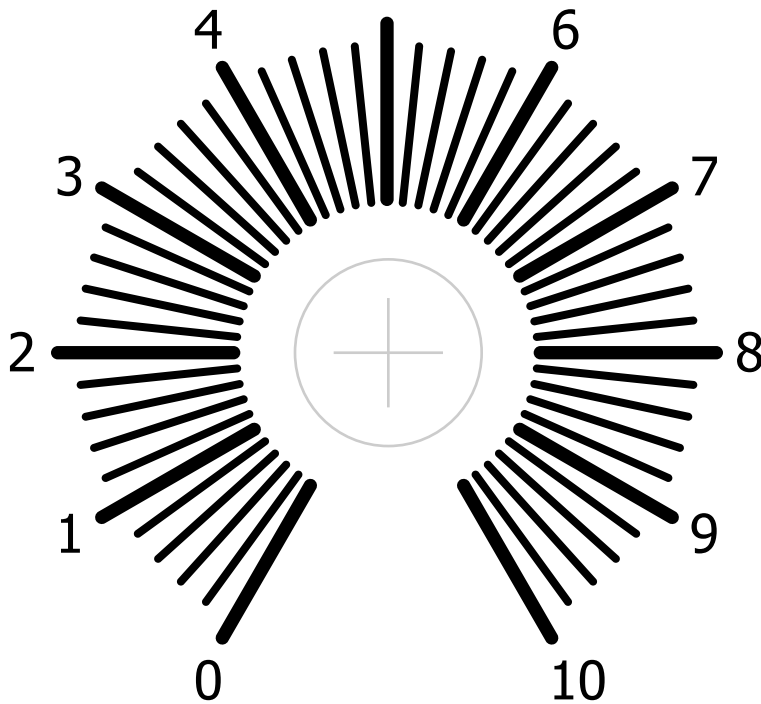




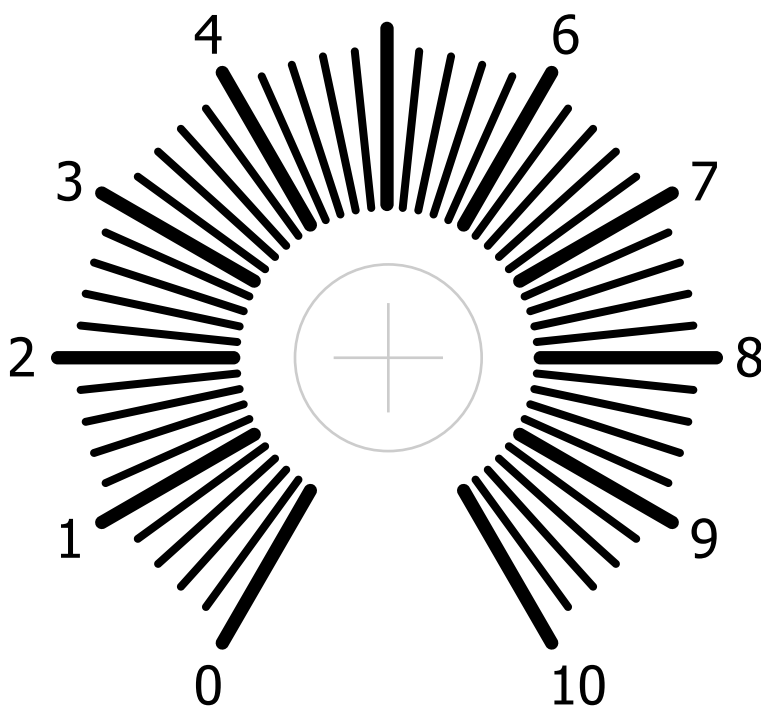
# S&H



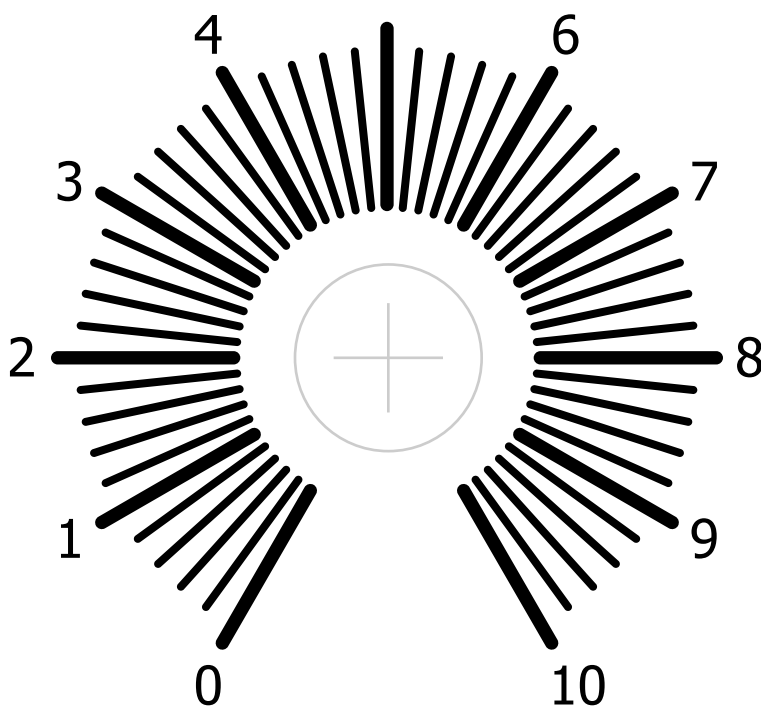
## Input Level



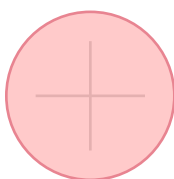
## Sample Rate



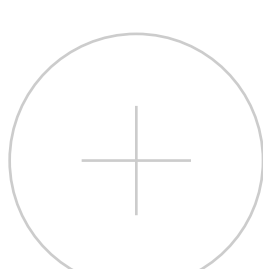
## Glide



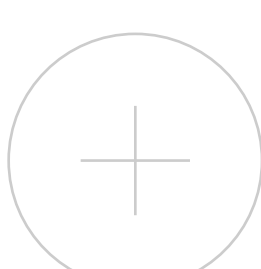
## Sample Rate



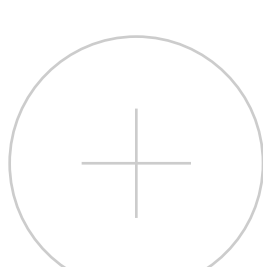
## Signal In



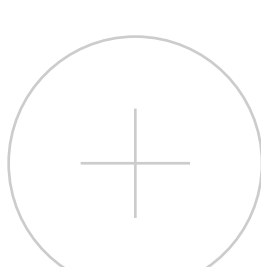
## Out



## Rate CV In



## Glide Out



## Sync In



## Trigger Out



# MFOS

