

# LC01: 1 Wide Redcoder

By: Andrews54757

Tags: logic-and-computation, redcoder

---

## Features

- 1 Wide
- Stateless, uses quasi-based logic

## Applications

- Decoding analog signals

## General Description

The LC01 1 wide redcoder takes a pulsed analog signal and outputs a pulse at one of 15 slices corresponding to the code.

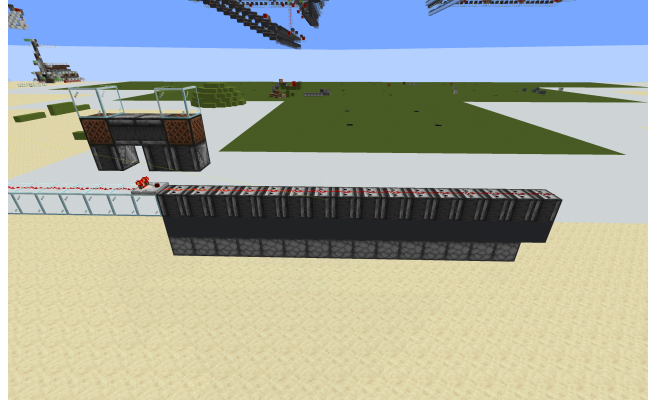


Figure 1: 1 Wide Redcoder

## Device Specifications

**Table 1: Inputs**

Name	Range	Description
Signal input	1-15	Pulsed analog signal.

**Table 2: Outputs**

Name	Range	Description
Output pulse	Pulse	Outputs a redstone pulse at a slice corresponding to the mapped signal.

**Table 3: Device Specifications**

Parameter	Min.	Typ.	Max.	Unit	Conditions
Throughput	10	-	-	gt	Normal Usage
MC Version	1.13	1.17.1	-	MCV	Latest version at time of writing: 1.19.3
Dimensions	1 x 6 x 18			Blocks	

## Testing Data

**Table 4: Executed Tests**

Test	Result
Decoding test	Device was able to decode analog signals successfully at 10gt throughput.

## Download Information

**Table 5: Download Information**

Identifier	MC	File	Description
LC01	1.17.1	<a href="#">LC01_1w_redcoder.litematic</a>	Schematic of device.