

# SG02: Global Clock Shulker Box Splitter

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Tags: splitting

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## Features

- 2wABt, fully hopper locked
- Globally clocked, allowing the array to be paused in operation
- Status outputs for activity, inactivity, & empty box supply

## Applications

- Dynamic sorting systems.

## General Description

Splits mixed boxes into smaller boxes of the same type. This design uses the hopper dueling mechanism for a "filter itemless" setup. It uses a global clock to allow for it to be paused during operation. Control wiring is comparatively tricky to do because of the global clock. Can lose empty boxes (although will not break) if they are input with no items. So don't do that.

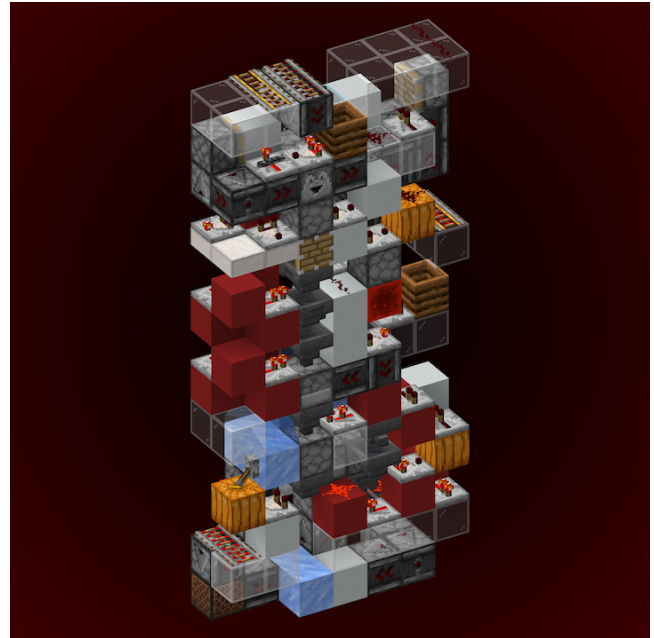


Figure 1: Shulker Box Splitter

## Device Specifications

**Table 1: Inputs**

Name	Range	Description
Mixed boxes input	Box	Boxes to split. Boxes can contain any items.

**Table 2: Outputs**

Name	Range	Description
Split boxes output	Box	Boxes with same item types only
Unstackables output	Item	Unstackable items

**Table 3: Device Specifications**

Parameter	Min.	Typ.	Max.	Unit	Conditions
MC Version	1.11	-	-	MCV	Latest version at time of writing: 1.19.3
Dimensions	11 x 18 x 16			Blocks	

## Testing Data

**Table 4: Executed Tests**

Test	Result
Splitting test	Device was able to split mixed boxes correctly.

## Download Information

**Table 5: Download Information**

Identifier	MC	File	Description
SG02	1.17.1	<a href="#">SG02_Global.Clock.Shulker.Box.Splitter.litematic</a>	Schematic of device.