

How to use sender/receiver for merging or diverting

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DistributeMode

There are three different options how to distribute components via a sender component, changed in the **DistributeMode** property

Default	Process
DistributeMode	DistributeEvenly ▼
SendMode	All ▼
ReceiverName_0	Receiver
ReceiverSpeed_0	12.000 m/min
ReceiverName_1	Receiver #2
ReceiverSpeed_1	12.000 m/min

DistributeEvenly – All components are distributed evenly among the connected receivers in the order they were connected.

DistributeProbability – For every connection there is a field to enter a probability value that the product is sent to the specific receiver. The value is between 0 and 1. All probabilities together has to add up to one, otherwise the probabilities is set evenly over all receivers e.g. if you have four connected receivers it is a 25% chance that the product is sent to each.

DistributeBasedOnID – For each receiver connected the option to add one or several processIDs is given. If the same ID is used several times only the first in the list is used. Products that are not on the list passes the sender and continues on the path.

Default	Process
DistributeMode	DistributeBasedOnID ▼
SendID	process1,process2
ReceiverName_0	Receiver
ReceiverSpeed_0	12.000 m/min
ReceiverID_0	process1
ReceiverName_1	Receiver #2
ReceiverSpeed_1	12.000 m/min
ReceiverID_1	process2

SendMode, SendID

Default	Process
DistributeMode	DistributeEvenly ▼
SendID	process1,process2
SendMode	BasedOnID ▼
ReceiverName_0	Receiver
ReceiverSpeed_0	12.000 m/min
ReceiverName_1	Receiver #2
ReceiverSpeed_1	12.000 m/min

Selection of which processIDs that should be sent by the Sender component. The options are **All** and **BasedOnID**.

All – All components are sent to the receiver.

BasedOnID – The desired processIDs are entered in the **SendID** field. Products that are not on the list passes the sender and continues on the path.

If **DistributeBasedOnID** is set all the **ReceiverIDs** are automatically added to the list.