
Subject: Question towards use of @passable attribute (2.4)
Posted by [Torben Brand](#) on Thu, 13 Dec 2018 09:15:35 GMT
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The attribute @passable under IS:connection switch and IS:connection crossing (v2.4) is not documented in the wiki at all! I found a very short (and old) topic in the forum.

Does anyone in the community use @passable and if yes, how do you use it?

IS:connection switch wiki page: https://wiki.railml.org/index.php?title=IS:connection_switch
IS:connection crossing wiki page: https://wiki.railml.org/index.php?title=IS:connection_crossing
Forum topic "passable connections": https://www.railml.org/forum/index.php?t=msg&th=54&goto=120&#msg_120

Subject: Re: Question towards use of @passable attribute (2.4)
Posted by [Torben Brand](#) on Wed, 19 Dec 2018 09:05:04 GMT
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As we have not received a reply to the question, I would suggest to build upon the solution suggestion described in the forum posting from 2004 and extend it with the following:

@passable: Denotes if you can pass between the track the switch/crossing is placed on (the principal track; usually straight) and the track connecting to the switch/crossing (the diverging track).

As the movement possibilities are given for a fully functional switch ("true"), a simple crossing ("false" and "false") and a double switch crossing ("true" and "true") the passable does not need to be defined there.

For fully functional switches/crossings only use @passable for each of the IS:crossing connection of a crossing @type="simpleSwitchCrossing" (single slip switch) with either the value combination "true" and "false" or "false" and "true".

Furthermore I suggest to be able to set a switch/crossing in a reduced state in railML.

The use case for this is, when you pad(lock) a switch/switch crossing, you can still run over it in the set direction.

It would be useful to know if the switch/crossing is (pad)locked and in which position it is locked.

For this scenario we suggest to use the combination of state@disabled=true and passable=true/false under the switch/crossing element.

As there is no passable defined in railML for passing over the switch/crossing on the track the switch is placed on (the principal/straight track). But as the switch (or switches in the crossing) can only have one position, this is implicit given through the @passable="true"/"false" of the switch connection (the diverging track) .

Subject: Re: Question towards use of @passable attribute (2.4)

Posted by [Torben Brand](#) on Wed, 19 Dec 2018 12:34:13 GMT

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I have posted the suggested changes to be made in the discussion page of the relevant wiki pages:

[https://wiki.railml.org/index.php?title=Talk:IS:connection_s witch](https://wiki.railml.org/index.php?title=Talk:IS:connection_s%20witch)

[https://wiki.railml.org/index.php?title=Talk:IS:connection_c rossing](https://wiki.railml.org/index.php?title=Talk:IS:connection_c%20rossing)

Subject: Re: Question towards use of @passable attribute (2.4)

Posted by [Ferri Leberl](#) on Fri, 11 Jan 2019 11:08:12 GMT

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Dear Mr. Brand,

I have added the suggested content to IS:connection_switch and IS:connection_crossing.

As to avoid misconceptions, I have deleted the texts on the discussion pages.

I hope, the changes are to your satisfaction.

Yours, Ferri Leberl
