

[Skip to content](#)

Map Value Node

Map Value node is used to scale, offset and clamp values.



Inputs

Value

Standard Value input. (Value refers to each vector in the set.)

Properties

Offset

Factor added to the input value.

Size

Scales (multiply) the input value.

Use Minimum, Maximum

Enable this to activate their related operation.

Min, Max

Defines a range between minimum and maximum to [Clamp](#) the input value to.

Outputs

Value

Standard value output.

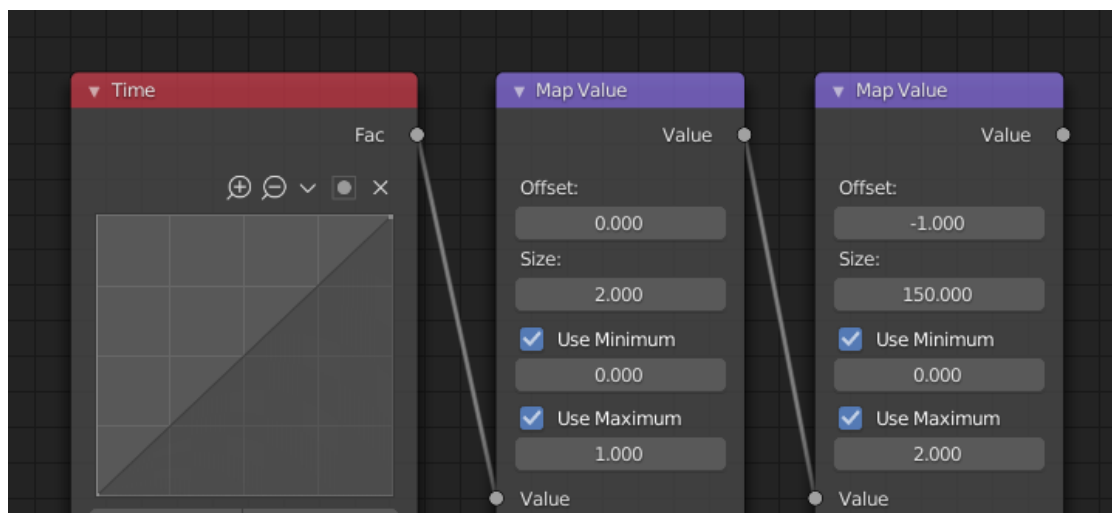
Example

Z-Depth Map

This is particularly useful in achieving a depth of field effect, where the Map Value node is used to map a Z value (which can be 20 or 30 or even 500 depending on the scene) to the range between (0 to 1), suitable for connecting to a Blur node.

Multiplying Values

The Map Value node can also be used to multiply values to achieve a desired output value. In the mini-map to the right, the Time node outputs a value between 0.0 and 1.0 evenly scaled over 30 frames. The *first* Map Value node multiplies the input by 2, resulting in an output value that scales from 0.0 to 2.0 over 30 frames. The *second* Map Value node subtracts 1 from the input, giving working values between (-1.00 to 1.0), and multiplies that by 150, resulting in an output value between (-150 to 150) over a 30-frame sequence.



Sta	1	End	30
-----	---	-----	----

Using Map Value to multiply.

[Previous](#)
[Map Range Node](#)

[Copyright](#) © : This page is licensed under a [CC-BY-SA 4.0 Int. License](#)

Made with [Furo](#)

Last updated on 2025-05-10

[No](#)
[Math No](#)

[View Source](#)
[View Translation](#)
[Report issue on this page](#)