

```
<?xml version="1.0" encoding="UTF-8"?>
<enderio:recipes xmlns:enderio="http://enderio.com/recipes" xmlns:xsi="http://www.w3.
org/2001/XMLSchema-instance" xsi:schemaLocation="http://enderio.com/recipes recipes.
xsd ">
```

```
<!--
```

These are the built-in capacitor definitions. You cannot change this file, it is a reference for you only and will be generated every time the game starts.

To make changes to the capacitor definitions, copy the capacitors you want to change to a file in the 'user' folder.

You can also disable all built-in recipes with the setting "loadCoreRecipes" in the Ender IO config file, so that only your files in the 'user' folder will be loaded. Please be advised that all capacitor definitions are absolutely needed, so you will have to copy those over into a 'user' file for the game to load.

More information on the syntax can be found in the recipes.xsd file. An XML editor will display that as tooltips when editing this file.

```
-->

<capacitor key="enderio:block_simple_alloy_smelter/intake" base="30" scaler="FIXED"
/>
<capacitor key="enderio:block_simple_alloy_smelter/buffer" base="2000" scaler="
FIXED" />
<capacitor key="enderio:block_simple_alloy_smelter/use" base="15" scaler="FIXED" />
<capacitor key="enderio:block_simple_alloy_smelter/loss" base="5" scaler="CENT" />

<capacitor key="enderio:block_alloy_smelter/intake" base="120" scaler="POWER" />
<capacitor key="enderio:block_alloy_smelter/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_alloy_smelter/use" base="30" scaler="POWER" />

<capacitor key="enderio:block_enhanced_alloy_smelter/intake" base="180" scaler="
POWER" />
<capacitor key="enderio:block_enhanced_alloy_smelter/buffer" base="500000" scaler="
POWER" />
<capacitor key="enderio:block_enhanced_alloy_smelter/use" base="45" scaler="POWER" />
<capacitor key="enderio:block_enhanced_alloy_smelter/efficiency" base="150" scaler="
CENT" />
<capacitor key="enderio:block_enhanced_alloy_smelter/double_op_chance" base="1"
scaler="QUADRATIC" />

<capacitor key="enderio:block_buffer/intake_creative" base="100000" scaler="FIXED" />
<capacitor key="enderio:block_buffer/buffer_creative" base="500000" scaler="FIXED" />
<capacitor key="enderio:block_buffer/use_creative" base="0" scaler="FIXED" />

<capacitor key="enderio:block_buffer/intake" base="2500" scaler="CUBIC" />
<capacitor key="enderio:block_buffer/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_buffer/use" base="0" scaler="FIXED" />

<capacitor key="enderio:block_farm_station/intake" base="400" scaler="RANGE" />
<capacitor key="enderio:block_farm_station/buffer" base="250000" scaler="RANGE" />
<capacitor key="enderio:block_farm_station/use" base="10" scaler="RANGE" />
<capacitor key="enderio:block_farm_station/base_size" base="1" scaler="FIXED" />
<capacitor key="enderio:block_farm_station/bonus_size" base="2" scaler="IDENTITY" />
<capacitor key="enderio:block_farm_station/stacksize_limit" base="16" scaler="
QUADRATIC" />
<!-- boost: result is the percent chance that a block gets a growth tick, so with
the default there
    is a 100% chance per capacitor level that one block is ticked, or in other
words: one block
    per capacitor level is ticked. -->
<capacitor key="enderio:block_farm_station/boost" base="100" scaler="IDENTITY" />

<capacitor key="enderio:block_combustion_generator/loss" base="0" scaler="CENT" />
<capacitor key="enderio:block_combustion_generator/buffer" base="100000" scaler="
```

```

POWER" />
    <capacitor key="enderio:block_combustion_generator/gen" base="1" scaler="CHEMICAL" />
    <capacitor key="enderio:block_combustion_generator/send" base="1280" scaler="POWER"
/>
    <capacitor key="enderio:block_combustion_generator/efficiency" base="1" scaler="
FIXED" />

    <capacitor key="enderio:block_enhanced_combustion_generator/loss" base="0" scaler="
CENT" />
    <capacitor key="enderio:block_enhanced_combustion_generator/buffer" base="500000"
scaler="POWER" />
    <capacitor key="enderio:block_enhanced_combustion_generator/gen" base="1" scaler="
CHEMICAL" />
    <capacitor key="enderio:block_enhanced_combustion_generator/send" base="1280"
scaler="POWER" />
    <capacitor key="enderio:block_enhanced_combustion_generator/efficiency" base="200"
scaler="CENT" />

    <capacitor key="enderio:block_stirling_generator/loss" base="0" scaler="CENT" />
    <capacitor key="enderio:block_stirling_generator/buffer" base="100000" scaler="
POWER" />
    <capacitor key="enderio:block_stirling_generator/gen" base="60" scaler="DROPOFF" />
    <capacitor key="enderio:block_stirling_generator/efficiency" base="80" scaler="
BURNTIME" />

    <capacitor key="enderio:block_lava_generator/loss" base="0" scaler="CENT" />
    <capacitor key="enderio:block_lava_generator/buffer" base="100000" scaler="POWER" />
    <capacitor key="enderio:block_lava_generator/gen" base="20" >
        <indexed step="1">
            <data value="0"/>
            <data value="1"/>
            <data value="1.1"/>
            <data value="1.3"/>
            <data value="1.6"/>
            <data value="2"/>
            <data value="2.5"/>
            <data value="3.1"/>
            <data value="3.8"/>
            <data value="4.6"/>
            <data value="5.5"/>
        </indexed>
    </capacitor>
    <capacitor key="enderio:block_lava_generator/use" base="2" scaler="FIXED" />

    <capacitor key="enderio:block_simple_stirling_generator/loss" base="10" scaler="
CENT" />
    <capacitor key="enderio:block_simple_stirling_generator/buffer" base="2000" scaler="
FIXED" />
    <capacitor key="enderio:block_simple_stirling_generator/gen" base="30" scaler="
FIXED" />

    <capacitor key="enderio:block_zombie_generator/loss" base="0" scaler="CENT" />
    <capacitor key="enderio:block_zombie_generator/buffer" base="100000" scaler="POWER"
/>
    <capacitor key="enderio:block_zombie_generator/gen" base="80" scaler="CHEMICAL" />

    <capacitor key="enderio:block_franken_zombie_generator/loss" base="0" scaler="CENT"
/>
    <capacitor key="enderio:block_franken_zombie_generator/buffer" base="200000" scaler="
POWER" />
    <capacitor key="enderio:block_franken_zombie_generator/gen" base="120" scaler="
CHEMICAL" />

    <capacitor key="enderio:block_ender_generator/loss" base="0" scaler="CENT" />
    <capacitor key="enderio:block_ender_generator/buffer" base="500000" scaler="POWER" />
    <capacitor key="enderio:block_ender_generator/gen" base="360" scaler="CHEMICAL" />

    <capacitor key="enderio:block_attractor_obelisk/intake" base="80" scaler="QUADRATIC"

```

```

/>
<capacitor key="enderio:block_attractor_obelisk/buffer" base="100000" scaler="POWER"
/>
<capacitor key="enderio:block_attractor_obelisk/use" base="20" scaler="QUADRATIC" />
<capacitor key="enderio:block_attractor_obelisk/range" base="16" scaler="QUADRATIC"
/>

<capacitor key="enderio:block_aversion_obelisk/intake" base="640" scaler="CUBIC" />
<capacitor key="enderio:block_aversion_obelisk/buffer" base="100000" scaler="POWER"
/>
<capacitor key="enderio:block_aversion_obelisk/use" base="80" scaler="CUBIC" />
<capacitor key="enderio:block_aversion_obelisk/range" base="16" scaler="RANGE" />

<capacitor key="enderio:block_inhibitor_obelisk/intake" base="80" scaler="CUBIC" />
<capacitor key="enderio:block_inhibitor_obelisk/buffer" base="100000" scaler="POWER"
/>
<capacitor key="enderio:block_inhibitor_obelisk/use" base="20" scaler="CUBIC" />
<capacitor key="enderio:block_inhibitor_obelisk/range" base="8" scaler="RANGE" />

<capacitor key="enderio:block_relocator_obelisk/intake" base="640" scaler="CUBIC" />
<capacitor key="enderio:block_relocator_obelisk/buffer" base="100000" scaler="POWER"
/>
<capacitor key="enderio:block_relocator_obelisk/use" base="80" scaler="CUBIC" />
<capacitor key="enderio:block_relocator_obelisk/range" base="12" scaler="RANGE" />

<capacitor key="enderio:block_weather_obelisk/intake" base="80" scaler="POWER" />
<capacitor key="enderio:block_weather_obelisk/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_weather_obelisk/use" base="20" scaler="POWER" />
<capacitor key="enderio:block_weather_obelisk/fluid_use" base="4" scaler="POWER" />

<capacitor key="enderio:blockPainter/intake" base="120" scaler="POWER" />
<capacitor key="enderio:blockPainter/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:blockPainter/use" base="30" scaler="POWER" />

<capacitor key="enderio:block_sag_mill/intake" base="120" scaler="POWER" />
<capacitor key="enderio:block_sag_mill/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_sag_mill/use" base="30" scaler="POWER" />

<capacitor key="enderio:block_simple_sag_mill/intake" base="30" scaler="FIXED" />
<capacitor key="enderio:block_simple_sag_mill/buffer" base="2000" scaler="FIXED" />
<capacitor key="enderio:block_simple_sag_mill/use" base="15" scaler="FIXED" />
<capacitor key="enderio:block_simple_sag_mill/loss" base="5" scaler="CENT" />

<capacitor key="enderio:block_enhanced_sag_mill/intake" base="180" scaler="POWER" />
<capacitor key="enderio:block_enhanced_sag_mill/buffer" base="500000" scaler="POWER"
/>
<capacitor key="enderio:block_enhanced_sag_mill/use" base="45" scaler="POWER" />
<capacitor key="enderio:block_enhanced_sag_mill/efficiency" base="150" scaler="CENT"
/>
<capacitor key="enderio:block_enhanced_sag_mill/double_op_chance" base="1" scaler="
QUADRATIC" />

<capacitor key="enderio:block_slice_and_splice/intake" base="160" scaler="QUADRATIC"
/>
<capacitor key="enderio:block_slice_and_splice/buffer" base="100000" scaler="POWER"
/>
<capacitor key="enderio:block_slice_and_splice/use" base="80" scaler="QUADRATIC" />

<capacitor key="enderio:block_soul_binder/intake" base="1000" scaler="QUADRATIC" />
<capacitor key="enderio:block_soul_binder/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_soul_binder/use" base="500" scaler="QUADRATIC" />
<capacitor key="enderio:block_soul_binder/pitch" base="1" scaler="IDENTITY" />

<capacitor key="enderio:block_powered_spawner/intake" base="200" scaler="SPAWNER" />
<capacitor key="enderio:block_powered_spawner/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_powered_spawner/use" base="160" scaler="SPAWNER" />
<!-- spawners have a variability to the cost of a task. it is defined by some config
values and further modified by this key. higher values will make spawning cheaper

```

```

energywise, indirectly making it faster -->
    <capacitor key="enderio:block_powered_spawner/speed" base="1" scaler="QUADRATIC" />

    <capacitor key="enderio:block_transceiver/intake" base="40960" scaler="POWER" />
    <capacitor key="enderio:block_transceiver/buffer" base="500000" scaler="CUBIC" />
    <!-- above is the size of the buffer, below how it is split into machine and
transfer parts -->
    <capacitor key="enderio:block_transceiver/ratio" base="1">
    <indexed step="1">
        <data value=".75"/><!-- lower is more transfer buffer, higher is more machine
buffer -->
        <data value=".5"/>
        <data value=".15"/>
        <data value=".025"/>
    </indexed>
    </capacitor>
    <capacitor key="enderio:block_transceiver/use" base="10" scaler="QUADRATIC" />

    <capacitor key="enderio:block_vat/intake" base="120" scaler="POWER" />
    <capacitor key="enderio:block_vat/buffer" base="100000" scaler="POWER" />
    <capacitor key="enderio:block_vat/use" base="30" scaler="CHEMICAL" />

    <capacitor key="enderio:block_enhanced_vat/intake" base="180" scaler="POWER" />
    <capacitor key="enderio:block_enhanced_vat/buffer" base="500000" scaler="POWER" />
    <capacitor key="enderio:block_enhanced_vat/use" base="45" scaler="CHEMICAL" />
    <capacitor key="enderio:block_enhanced_vat/efficiency" base="150" scaler="CENT" />
    <capacitor key="enderio:block_enhanced_vat/double_op_chance" base="1" scaler="
QUADRATIC" />

    <capacitor key="enderio:block_wired_charger/intake" base="10000" scaler="POWER" />
    <capacitor key="enderio:block_wired_charger/buffer" base="100000" scaler="POWER" />
    <capacitor key="enderio:block_wired_charger/charge" base="1" scaler="CHARGE" />

    <capacitor key="enderio:block_enhanced_wired_charger/intake" base="20000" scaler="
POWER" />
    <capacitor key="enderio:block_enhanced_wired_charger/buffer" base="10000000" scaler="
POWER" />
    <capacitor key="enderio:block_enhanced_wired_charger/charge" base="1" scaler="
CHARGE" />

    <capacitor key="enderio:block_simple_wired_charger/intake" base="120" scaler="FIXED"
/>
    <capacitor key="enderio:block_simple_wired_charger/buffer" base="2000" scaler="
FIXED" />
    <capacitor key="enderio:block_simple_wired_charger/use" base="30" scaler="FIXED" />
    <capacitor key="enderio:block_simple_wired_charger/loss" base="5" scaler="CENT" />

    <capacitor key="enderio:block_wireless_charger/intake" base="10000" scaler="FIXED" />
    <capacitor key="enderio:block_wireless_charger/buffer" base="200000" scaler="FIXED"
/>
    <capacitor key="enderio:block_wireless_charger/charge" base="10000" scaler="FIXED" />

    <capacitor key="enderio:block_dialing_device/intake" base="80" scaler="FIXED" />
    <capacitor key="enderio:block_dialing_device/buffer" base="100000" scaler="FIXED" />
    <capacitor key="enderio:block_dialing_device/use" base="5" scaler="FIXED" />
    <capacitor key="enderio:block_dialing_device/use_teleport" base="1000" scaler="
FIXED" />
    <capacitor key="enderio:block_dialing_device/use_paper" base="1000" scaler="FIXED" />

    <capacitor key="enderio:block_impulse_hopper/intake" base="120" scaler="POWER" />
    <capacitor key="enderio:block_impulse_hopper/buffer" base="100000" scaler="POWER" />
    <capacitor key="enderio:block_impulse_hopper/use" base="16" scaler="POWER" />
    <capacitor key="enderio:block_impulse_hopper/use_item" base="10" scaler="FIXED" />
    <capacitor key="enderio:block_impulse_hopper/speed" base="1" scaler="QUADRATIC" />

    <capacitor key="enderio:block_crafter/intake" base="120" scaler="POWER" />
    <capacitor key="enderio:block_crafter/buffer" base="100000" scaler="POWER" />
    <capacitor key="enderio:block_crafter/use" base="1" scaler="POWER" />

```

```

<capacitor key="enderio:block_crafter/use_craft" base="10" scaler="FIXED" />
<capacitor key="enderio:block_crafter/speed" base="2" scaler="QUADRATIC" />

<capacitor key="enderio:block_simple_crafter/intake" base="30" scaler="FIXED" />
<capacitor key="enderio:block_simple_crafter/buffer" base="10000" scaler="FIXED" />
<capacitor key="enderio:block_simple_crafter/use" base="2" scaler="FIXED" />
<capacitor key="enderio:block_simple_crafter/use_craft" base="15" scaler="FIXED" />
<capacitor key="enderio:block_simple_crafter/speed" base="1" scaler="FIXED" />

<capacitor key="enderio:block_tele_pad/intake" base="4000" scaler="FIXED" />
<capacitor key="enderio:block_tele_pad/buffer" base="100000" scaler="FIXED" />
<capacitor key="enderio:block_tele_pad/use" base="4000" scaler="FIXED" />

<capacitor key="enderio:block_niard/intake" base="400" scaler="POWER" />
<capacitor key="enderio:block_niard/buffer" base="100000" scaler="POWER" />
<capacitor key="enderio:block_niard/use" base="5" scaler="POWER" />
<capacitor key="enderio:block_niard/range" base="1">
  <indexed>
    <data value="0"/>
    <data value="0"/>
    <data value="2"/>
    <data value="3"/>
    <data value="5"/>
    <data value="10"/>
    <data value="20"/>
    <data value="40"/><!-- about here it gets insane -->
    <data value="80"/>
    <data value="160"/>
    <data value="320"/>
  </indexed>
</capacitor>
<capacitor key="enderio:block_niard/delay" base="1">
  <indexed>
    <data value="40"/>
    <data value="20"/>
    <data value="10"/>
    <data value="2"/>
    <data value="1"/><!-- run each tick -->
  </indexed>
</capacitor>
<capacitor key="enderio:block_niard/work" base="400" scaler="POWER" />

</enderio:recipes>

```