



Expand the Amount of Parameters

The grandMA3 processing units are the **only units** that expand the parameter count when using grandMA3 consoles.

Every grandMA3 processing unit added to the network also adds a number of parameters depending on the model!

A maximum of 15 processing units can be added to give parameters.

There is a **maximum limit of 250 000 parameters** in a grandMA3 session.

The grandMA3 processing units help with parameter calculations.

Examples:

1 grandMA3 full-size (12 288) + 1 grandMA3 processing unit XL (16 384) = 28 672 parameters

1 grandMA3 full-size (12 288) + 15 grandMA3 processing unit XL (16 384) = 250 000 parameters (the calculation is 258 048, but the limit is 250 000)

1 grandMA3 light (8 192) + 1 grandMA3 processing unit M (4 096) = 12 288 parameters

1 grandMA3 light (8 192) + 15 grandMA3 processing unit XL (16 384) = 250 000 parameters (the calculation is 253 952, but the limit is 250 000)

1 grandMA3 full-size (12 288) + 1 grandMA3 light (8 192) = 12 288 parameters (consoles cannot expand the parameter count so the parameters from the console with the highest number are unlocked)

1 grandMA3 light (8 192) + 15 grandMA3 onPC 2Port Node 2k (2 048) = 8 192 parameters (nodes cannot expand the parameter count with consoles, so the parameters from the console is used)

1 grandMA3 light (8 192) + 1 onPC computer with a grandMA3 onPC command wing (2 048) = 8 192 parameters (onPC command wings cannot expand the parameter count with consoles, so the parameters from the console are used)

Using a grandMA3 onPC with grandMA3 onPC command wing and grandMA3 onPC xPort Nodes

When a grandMA3 onPC is used, some grandMA3 **onPC** hardware is needed to unlock parameters. **The maximum number of parameters that are allowed in a grandMA3 onPC system is 4 096!**

Any amount of onPC hardware can be used with your computer or the grandMA3 onPC rack-unit. Every piece of hardware will add its parameters until the limit of 4 096 parameters is reached.

grandMA3 xPort Nodes need to be onPC versions to unlock parameters.

These are the only two rules for parameters with grandMA3 onPC.

Remember more units can be added to get more DMX ports even after the parameter limit is reached.



Examples:

grandMA3 onPC rack-unit (2 048) + grandMA3 onPC 2Port Node 2k (2 048) = 4 096 parameters (the limit)

grandMA3 onPC rack-unit (2 048) + grandMA3 onPC 4Port Node 4k (4 096) = 4 096 parameters (the limit is reached and cannot be exceeded)

grandMA3 onPC + grandMA3 onPC command wing (2 048) = 2 048 parameters

grandMA3 onPC rack-unit (2 048) + grandMA3 onPC command wing (2 048) = 4 096 parameters (the limit)

grandMA3 onPC command wing XT (4 096) = 4 096 parameters (the limit)

grandMA3 onPC + grandMA3 onPC command wing (2 048) + grandMA3 onPC 2Port Node 2k (2 048) = 4 096 parameters (the limit)

grandMA3 onPC + grandMA3 onPC command wing (2 048) + grandMA3 onPC fader wing (2 048) = 4 096 parameters (the limit)

grandMA3 onPC + grandMA3 onPC 2Port Node DIN-Rail 2k (2 048) = 2 048 parameters

grandMA3 onPC + grandMA3 onPC 2Port Node 2k (2 048) + grandMA3 8Port Node (0) = 2 048 parameters (the 8Port Node is not an onPC node)

grandMA3 onPC + grandMA3 onPC command wing (2 048) + grandMA3 onPC 8Port node 4k (4 096) = 4 096 parameters (the limit is reached and cannot be exceeded)