

Service Note		
Product	Description:	Service note no.
<b>M5000</b>	<b>About MD-2 and MultiBus feature</b>	<b>712 10 T063</b>

Buying a MD-2 license gives you a MD-2 license **level 1**.

MD2 license **level 1** means that preset 200-214 only can be used at **one** DSP-module at a time. Each additional level cost only half the price of level 1.

If the M5000 has MD2 license **level 2**, it means that preset 200-214 can be used at **two** DSP-modules at a time. And so on.

**BUT !** - Running preset 214 (Toolbox) at one DSP-module, and preset 01-213 at a second DSP-module only requires MD-2 license **Level 1**! This specific situation is intended for the **MultiBus feature** :

*The MultiBus feature enables the user to insert a second DSP internally, while running the Digital Toolbox<sup>TM</sup>. It is hence possible to make use of **all** the features in the MD2 **simultaneously!** in the same signal path.*

Note:

**DSP-1** modules with serial numbers lower than **631800** and

**DSP-2** modules with serial numbers lower than **610775**

do not have the MultiBus feature installed. Without the MultiBus Feature it will not be possible to set the parameter INSERT to ON.

You can check for the MultiBus Feature in this way:

1. Press UTILITY button
2. Select MENU CONFIG and select SHOW CONFIG, then press DO.
3. Now the display shows the module configuration for the selected device. The DSP-module is displayed in one of these six ways: DSP-1, DSP-1+, DSP-1+B, DSP-2, DSP-2+, DSP-2+B  
Only the two combinations with the letter B (DSP-1+B, DSP-2+B) means the MultiBus Feature is installed.
4. Press UNDO to leave the SHOW CONFIG page.

Installations of MultiBus Features only takes place at TC Electronic.

Here is a description for using the MultiBus Feature:

1. Select preset 214 at the DSP-module set to address 1.
2. Press the EDIT button.
3. Press the PAGE right button until the parameter INSERT shows up.
4. Set the parameter INSERT to ON.
5. Press the device selector button to select the DSP-module set to address 2.
6. Select (for instance) preset 202 at this DSP-module.
7. Press the UTILITY button.
8. Dial PROGRAM wheel until MENU I/O shows up.
9. Dial wheel A until parameter I/O reads INSERT.

Now the DSP-module at address 2 is internally inserted into the signal path on the DSP-module at address 1. (See TOOLBOX algorithm description in the M5000 Owners Manual, BASIC ALGORITHM section).

Note: The DSP-module at address 2 can only be inserted in the DSP-module at address 1 and vice versa. The DSP-module at address 4 can only be inserted in the DSP-module at address 3 and vice versa.