

Service Memo for Tactile M 4000:

Pin connection of power supply cables between M 490 power supply and the M 420, M 430, M 440 units.:

Cure:

All voltages needed are running through the same multiway cable, which is fitted with a 16-pin, round connector, locking to the PSU-sockets of every unit.

All outputs on the M 490 are connected in Parallel, so you are free to connect the units to any of these outputs.

ATTENTION: In case you are running your system with two or more M 420 or M 430 units, please make sure not to connect more than one M 420 to every M 490 unit. The cable is fitted with a male and a female connector, so when checking voltages on the connector please make sure to 100% identify the correct pins on that plug to obtain proper results.

Pin 1 and 2:	+15 Volts
Pin 3:	0 Volt ref. To the 15V supply
Pin 4 and 5:	-15 Volts

Pin 6 and 7:

Pin 8:	+ 48 V Phantom power
Pin 9:	0 V to Phantom power

Pin 10 and 11:	0 V to +5Volt
Pin 12 and 13:	+5 Volt

Pin 14 and 15:	Ground
Pin 16:	not connected

When checking the voltages and the PSU is ON, be very careful and prevent any short-circuit!! Your M 490 PSU might be destroyed!!

Inside the M 490 you can see two PSU systems: one is for the analogue section of the console, this is the large transformer and the heat sink and the large PCB in the centre of the unit. On the right hand side, behind the power switch, is the digital power supply for the computer section of the console. This unit will produce the 5V supply for the system. Close to the output you can see a small, yellow potentiometer. This is used to adjust the output voltage of the PSU. When all units are connected and the system is ON, the output voltage should be adjusted to about 5,15 V to compensate for the loss to the individual units. (just set for 5V may in some cases result in a non-starting HDD – and a failure of your system).