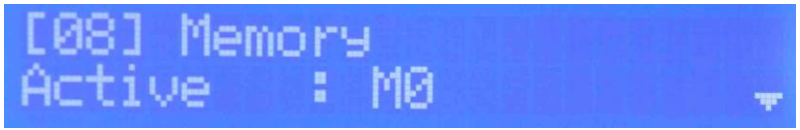
DIGITAL BROADCAST

MEMORIES FUNCTION IN MOZART NEXT FM TRANSMITTERS

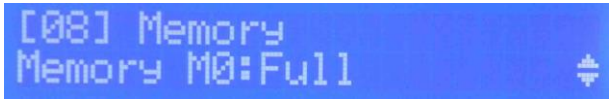
MEMORIES FUNCTION

The Mozart NEXT transmitters have the possibility to be configured in 6 different modes (Memories) and these configurations are stored in the internal memory.

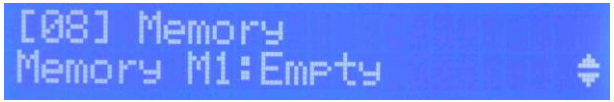
The active Memory is the current configuration applied to the unit. Any parameter changed during normal unit working mode is automatically applied and saved in the current active Memory.



It is possible to enable the editing of a Memory parameters and all the changes will be stored and recalled only in case this specific Memory is recalled.



A Memory already edited will be indicated with FULL in the front panel menu otherwise it will be indicated as EMPTY.



The use of memories is really useful in cases where the user needs to change the transmitter configuration very quickly to be on-air immediately and so the physical change of each parameter via front panel or via web control would take too much time. The change can be done locally (from front panel) or from remote control.

CASE 1

SAVE ENERGY DURING NIGHT-TIME

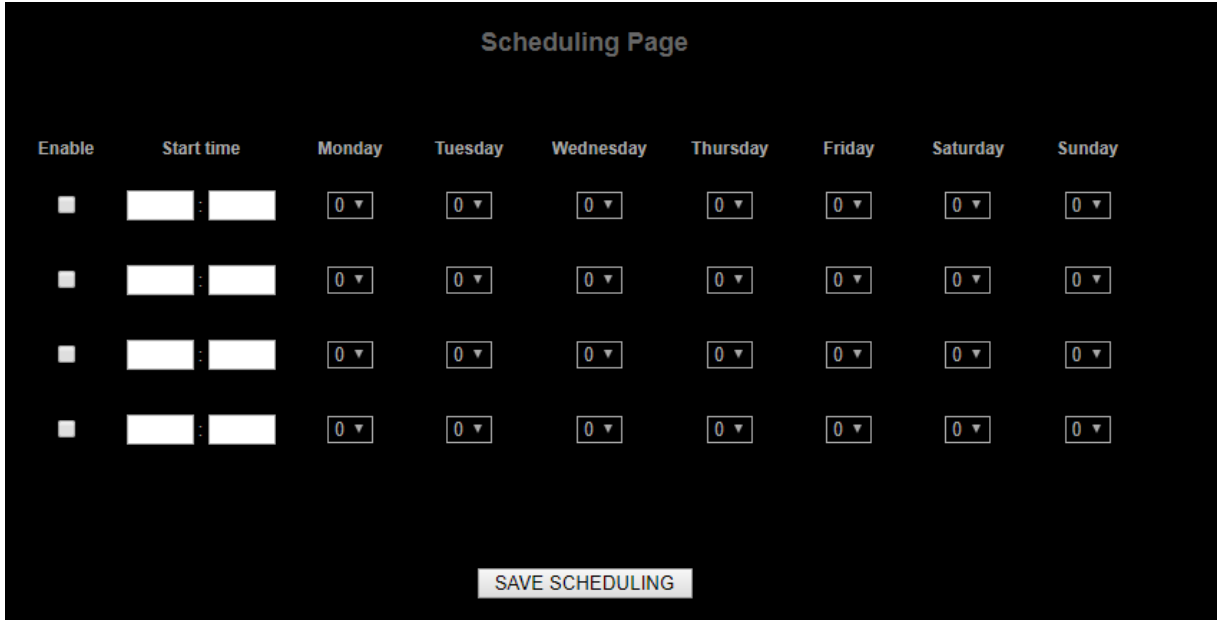
Sometimes customers are interested in having full output power during day-time to grant the best coverage to their station but they know very well that this is not necessary during night-time.

Save energy and reduce your costs only by changing the active Memory from Memory 0 where you have set the unit at full power and Memory 1 where you set the power at the desired output level (without switching off totally the station that could be not useful in case a minimum coverage is requested to be always present).

CASE 1

MEMORIES SCHEDULING

The memories change can be set on the MEMORIES SCHEDULING page on Web (up to 4 events each day) and this will be replicated automatically each week to assure the automatic reduction of the output power all days at same time or different levels of night-time output power during working days or week-end.



To have this feature active it is important:

1. To set the memories with the desired parameters
2. To enable the event (tick present in the ENABLE flag on the left)

CASE 2

CHANGE AUDIO SOURCE AT A SPECIFIC TIME OF THE DAY

Many stations are referring to a central studio which transmit a National program during the whole day, maybe giving the input via STL (audio link) or satellite.

But in some hours of the day the same station is allowed to have a local transmission to promote the knowledge of local events happened during the day (news or focus related to the local town). This content arrives from a local small studio installed near the transmission site or directly in the same building.

Using a different audio connector for the 2 sources (for example MPX input for the National program signal and LEFT+RIGHT connectors for local small studio signal), you can configure Memory 0 to accept the MPX input and Memory 1 to accept LEFT&RIGHT input so only changing the memory you will be able to change quickly the type of input source!

CASE 2

MEMORIES SCHEDULING

Also in this case if the automatic change is needed each day it would be more easy to set the memories change on the MEMORIES SCHEDULING page on Web (up to 4 events each day) and this will be replicated automatically each week to assure the automatic change in audio input source each day at same time.

CASE 3

IDEAL AS RESERVE FOR N+1 SYSTEMS

In case of more complex systems like N+1 ones, where N units are the main transmitters and 1 independent unit is used as backup (reserve).

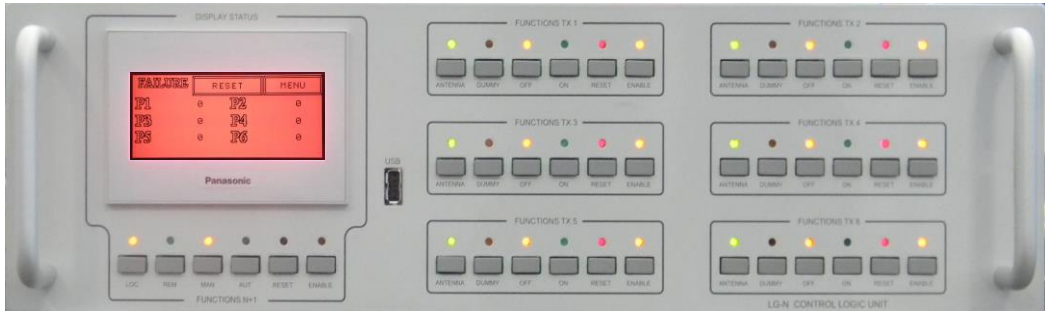
Generally the reserve is in stand-by mode and not actively participate within the system during normal operation. The system needs to have a level of transparency during failover so the reserve automatically needs to be set with the parameters of the failed transmitter with the minimum waiting time.

Using the Memories, the Mozart NEXT transmitter can be used as reserve in more complex systems (up to 6+1 configuration) programming each Memory with the configuration of one of the main transmitters and simply recalling the correct Memory depending on the failed unit.

CASE 3

IDEAL AS RESERVE FOR N+1 SYSTEMS

The change of Memories in this case is sent by parallel contacts directly from the N+1 Control Logic Unit which has the full control of the whole system and it can identify immediately which is the configuration to set in the reserve transmitter to let it work properly.



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