

Technote –Using and Setting RDM PID

[Wikipedia RDM Explained](#)

“Remote Device Management or RDM is a protocol enhancement to USITT DMX512 that allows bi-directional communication between a lighting system controller and attached RDM compliant devices over a standard DMX line. This protocol will allow configuration, status monitoring, and management of these devices in such a way that does not disturb the normal operation of standard DMX512 devices that do not recognize the RDM protocol.”

Setting the RDM PID

To take advantage of the technical capabilities of the RDM system, each fixture must have a unique RDM PID, this unique identifying number is used by the controller to manage an individual fixture. There cannot be duplicate RDM PID on the same DMX cable run, this will result in a data collision, and the controller may or may not notify of this issue. Ensure that all fixtures have a unique RDM PID if RDM functionality is to be used. If DMX splitters are used and RDM control is to be used, these splitters must support RDM.

The number and type of RDM parameters depend on the RDM controller being used.

To Set the RDM PID*

Navigate to: Set -> Service Settings -> Service PIN Press <UP> button to select 050 and press <ENTER.>

Navigate to RDM PID: Press the <UP> button to select unique ID's for each fixture and press <ENTER.>

**(Applies to)*

eMotion, Shapeshifter C1, C2, W1, W2, SolaWash 19, SolaWash 37, Uno, SolaWash 2k and all of its derivatives, SolaSpot 2k and all of its derivatives. And other fixtures in development