DT402 R21 Release Notes

This update includes all the previous updates included in R2 and provides for clearer operation of Expanded mode. The throttle Expanded Mode option is moved up in the throttle options selection order and is by default set to ON.

If you have already upgraded to R2 please update to R21 to take full advantage of expanded slots.

DT402 R2 Release Notes

Access to Expanded Slots

Updating the DT402 to R2 gives the throttle access to expanded slots in the DCS240 Advanced Command Station. Access to these expanded slots are only available when IR and Radio(RF1) options are set to OFF in your throttle. This means that throttles working in IR mode or Simplex Radio will not have access to the expanded slots. Simplex Radio throttles(DT402R) will have access expanded slots if radio(RF1) and IR is set to off and the throttle is plugged in.

It is recommended that throttles be factory reset after upgrading the firmware to R2. By factory default the IR and Radio(RF1) options are set to OFF.

If you plan on using a throttle in IR or Simplex radio mode, these options will need to be re-enabled. You can disable the radio mode to set up expanded slots and consists then turn radio mode back on to operate.

Batteries

The DT402 R2 code required that all throttles have a battery installed for proper operation.

StealZap

DT402 throttles operating in expanded mode have a new feature called "StealZap".

This is a feature that helps prevent having the same address selected on multiple throttles and creating unexpected operations. When you steal you are truly stealing control of the locomotive instead of sharing it.

When using a DT402 R2 throttle with an Advanced Command Station featuring expanded slots, each throttle ID is associated with the Loco Addresses it has selected. With a when you select a Loco that is selected on another throttle the second throttle will take ownership of the Loco and it will be deselected from the first throttle. By first throttle will display "StealZap" meaning it has deselected the loco because it has been stolen by another throttle. You always have the option to steal the loco back by selecting it again.

This feature only works when each DT402 R2 has a unique throttle ID and they are operating in expanded slots. If all throttles have the same ID stealing will work as it has in the past and two throttles can have control of a locomotive.

When using legacy throttles prior to the DT402 R2 stealing a locomotive will still result in the loco being selected and taking commands from two or more throttles.

Track Status Indicators

In addition to the bold Dot track status indicator the throttle now flashes either "tOFF" or "IdLE" in the Right Throttle Address area of the display.

Access to expanded routes

The DT402 throttles have access to all the route features in the DCS240.

New Features:

-Access to expanded slots with DT402 Tethered and DT402D throttles

-Track Status Indicators "tOFF" and "IdLE" in R Address area

-Access to full DCS240 Routes