MODEL 720 v3 INSTRUCTIONS FOR OPERATION.

Insert supplied batteries – there is reverse voltage protection.

Ensure the receiver (601/602 or 522) is already switched on before switching on the 720. Switch on 720 which will scan for blueRailways devices (scan time is short) and RED LED will be illuminated.
It will connect to a receiver in this order
a)   Always connects to a Model 522 if detected.
b)   If no 522 is detected, it will connect to one or two Model 601/ 602's dependent on received signal strength (normally the closest).
c)   The GREEN LED will then flash every 4 seconds while connected. This is a power saving measure as the LED takes more power than the rest of the controller.

Knobs control speed and switches control direction. If the direction switch is moved, a STOP signal is transmitted and the knob needs to be zero'd before updated speed signal are sent. The GREEN LED will flash twice a second until the knob is zero'd. If the direction is changed very quickly this may not happen.

If the connection between the 720 and the receiving device is lost then the RED LED will flash about once a second.
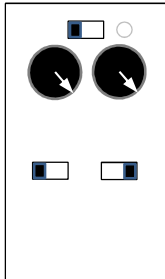
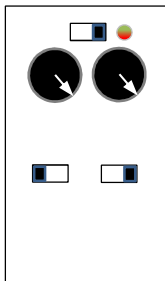See overleaf for instructions on setting START VALUE and ACCELERATION/DECELERATION.

LED Indication.

RED ON - Scanning for blueRailways devices (about a second).
RED - Flash once a second – Not connected to a receiver.
GREEN - Flash twice a second – Zero one or both knobs.
GREEN - Flash every 4 seconds – Connected to a receiver.
RED/GREEN – Flash alternately – Programming Receiver Mode.

Version 3 – Addition of instructions for setting START VALUE and ACCELERATION/DECELERATION values - 8th August 2018
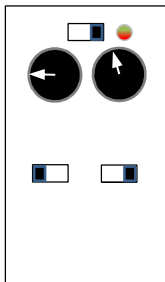
Setting Start Value and Acceleration/Deceleration settings.
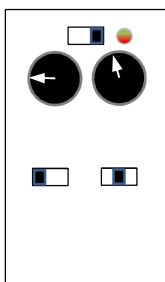
BEFORE SWITCHING ON, set both the control knobs to Maximum, Track1 direction to REV and Track2 direction to FWD.
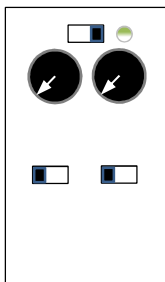
Switch ON. LED will flash alternatively Red/Green.

Change BOTH control knobs. Track1 will set the START VALUE and Track2 will set the ACCELERATION and DECELERATION values. To set the values to zero (default setting) make sure the control knobs are set to 0. These values will need to be set by Trial and Error and will differ for different locomotives.

Change the position of either direction switch. This will send the settings to the Model 522 or the FIRST Model 601/602 (only) where they are stored in non-volatile memory until they are changed again. The LED will then flash green every 4 seconds.

Now use the controls as normal.

PLEASE NOTE: Setting the START VALUE too high can result in the Loco racing away when starting. Setting the ACCELERATION/DECELERATION too high can give the impression that nothing is happening when speed changes are requested.