

# GAUGEMASTER



## DCC75 TECH 6 SOUND CONTROLLER

### Operation

The TECH 6 operates as a normal DC power pack. It is also a sound controller that can operate all of the sounds in your locomotive if it contains a DCC sound decoder. It has two modes of operation, STANDARD (STD) DC for non sound equipped locomotives and DUAL for operating sound equipped locomotives.

### Traditional DC Operation Mode

If you wish to operate a standard, non decoder equipped loco, press **SEL** key to select **STD** mode. You can use the throttle knob to control speed and the direction <> key to change the locomotive direction.

### Power and Sound Control Mode

This mode is to run and control the sounds in your decoder equipped loco. Press the **SEL** key to select **Dual** (dual; meaning power with sound) mode. You should be able to control your loco with the throttle knob and change locomotive direction with the direction key. If it does not respond, press the **SHIFT** key and then press **9, 9**. This will reset your loco within 5 seconds.

**Note if your locomotive has been used with a DCC system and its address was set to other than address number 3, it will need to have its address reassigned after it has been run using the Tech 6.**

You can turn on / off the headlight by pressing **0**. You can turn on / off the Bell by pressing **1**. To blast the horn press, **2**. To control functions F3 to F9, press 3 to 9. To control F10 to F28, press **SHIFT** and then press the desired two digit number.

### Adjusting Feature Variables

1. Press **P**, all LEDs will turn on.
2. Press any one of the numbered buttons listed below to adjust the individual feature:
  - Button **2** is used to set **Start Voltage (factory set at 0)**
  - Button **3** is used to set **Acceleration momentum (factory set at 0)**
  - Button **4** is used to set **Deceleration momentum (factory set at 0)**
  - Button **5** is used to set **Top voltage (factory set at 32)**
3. Now press **ENT**, all LED's will turn off.
4. Buttons 2, 3, 4 & 5 generally use a range of values\* from "0 to 32". Using the keypad, select a number range from 0-32.
5. Finish the process by pressing **ENT** again. The Tech 6 will return to run mode and will memorize your setting until you wish to make another change.

If you wish to make another adjustment, repeat the above steps.

*Some decoders may have a different range of adjustments. Please read your loco manual or decoder instructions and refer to CV numbers 2,3,4,5 for their range of adjustments.*

### Adjusting CV's

1. Press **P**, all LEDs will turn on.
2. Input the CV number you want to adjust and then press **ENT**, all LEDs will turn off.
3. Input the CV value
4. Finish the process by pressing **ENT** again. The Tech 6 will revert back to run mode and memorize your settings until you wish to make another change.

If you want to adjust another CV, you have to repeat the above 4 steps. For more information on CV definitions and their values, please read your loco manual or decoder instructions.

## For Your Protection

1. Never reverse a locomotive without stopping it first. To do so may damage the locomotive motor.
2. Turn power switch off at the end of the day's operation.
3. Avoid prolonged overloads and short circuits. Your Tech 6 is equipped with safety devices to prevent accidental damage due to short circuits and overloads but it is unwise to subject the unit to these frequently.
4. Children under the age of 14 should be supervised by an adult when operating this product.

## Specifications

Input:	15VDC
Output:	0 to 15VDC
Maximum Current Rating:	2.0 amps
Total Output:	30va

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