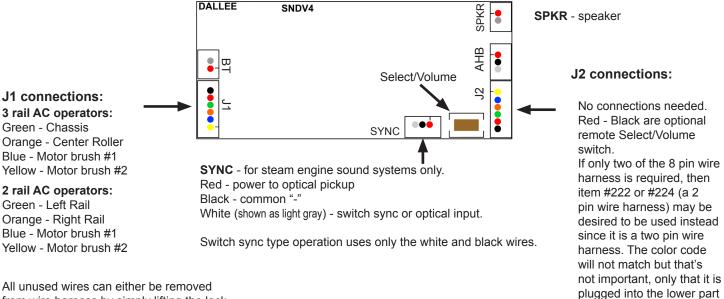
Installation Reference for AC operators

Only items needed for AC track power operation are shown. All other connections are for other types of operation.



All unused wires can either be removed from wire harness by simply lifting the lock tang and sliding the wire out. Otherwise the wires will have to be clipped or properly insulated from coming into contact with other items.

Select/Volume - see "Selecting Sounds" section.

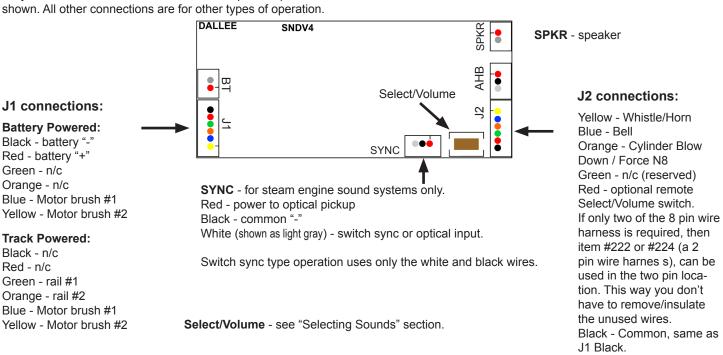
of J2 so that it connects to

the marked Re d & Black

location.

Installation Reference for operators with Radio Receiver's

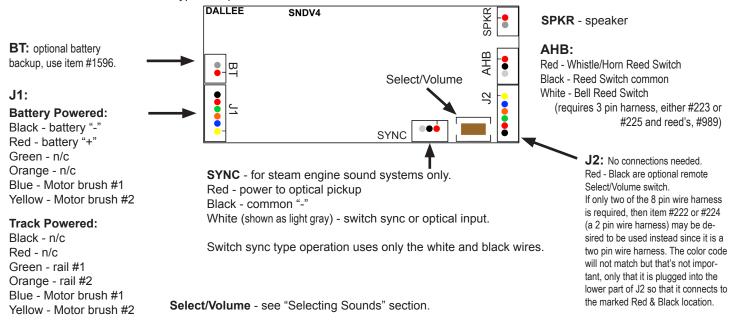
Only items needed for Radio Receiver track power operation are shown. All other connections are for other types of operation.



J2 connections are all switched to the common, Black, wire. All inputs are momentary except for the Whistle/Horn.

Installation for DC operators using Auto Whistle/Horn operation with reed switch track triggers.

Only items needed for DC track power operation are shown. All other connections are for other types of operation.



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Selecting Sounds:

When the sound unit is first powered up it will be set for the first Bell, first Horn, first Prime Mover (motor sound), with the Spitters "on" and at a set mid volume range. In order to change any of those settings, except the volume, you must remove the power to the system and wait for it to stop playing, which can be a while. At that point you can then proceed into setting up the sounds you want produced.

Sounds are selected via the "Select/Volume" switch located on the lower right side of the board or by a remotely wired switch/function to the Red Wire of J2 to the Black wire (ground) of the sound system.

The selection process must be done from a "dead", no sound produced due to no input power present. After the speaker is wired to the system and a type of input power is wired as desired, hold down the "Select/ Volume" switch and then place power to the sound board. The voltage to the board should be at least 8 volts AC or DC (depending on how you are operating the sound unit).

Apply power and wait for the sound unit to turn on. At that time you will hear a "BEEP". Upon hearing that, immediately release the "Select" button. You will hear a Bell ringing. To select the next Bell, press and release the "Select/Volume" button. The next Bell will play. The last selection is no sound. This would be selected if you do not want any bell to play. Pressing and releasing again will take you back to the first Bell. When you arrive at the desired one, hold down the "Select/Volume" button until a "BEEP" occurs and then release it.

At this point you have arrived at the next selection, for Diesel's this is the Horn selection. Again, the first horn plays, pressing and releasing takes you to the next horn and so on. After the last horn is silence, again, this would be selected if no horn is desired. The next press would take you back to the first horn. While the horn is playing, you can also use your control to play the horn. This way you can hear exactly how it would sound when selected. When arriving at the desired Horn, hold down the "Select/

Volume" button until a "BEEP" is hears again. This moves you to the next selection which is the prime movers. Again, the last one is none which you would select if you didn't want it to play.

After arriving at the prime mover of choice, hold down the "Select/Volume" button until a "BEEP" is heard and that will advance you to the last selection which is the Spitters. You will hear a rapid play of the Spitters the next push selects "off", press again for "on". When your selection is made, press and hold the "Select/Volume" control until the "BEEP" is heard and then release it. The sound unit will save your settings and proceed to operational mode.

In operational mode, the "Select/Volume" button turns into a volume control. Pressing and releasing it will move the volume up. The next press will move it down. The last setting will be saved so that the next power up will be at that volume level.