

AIRWIRE® CONVRTR™ Addendum

This page contains updates and corrections to your printed Users Guide. Keep this sheet with your user guide.

Recommended Sound and Motion Decoders

We have tested the CONVRTR with a number of DCC decoders from various manufacturers. The list below shows our results. For the fewest problems, those decoders with a check passed all of our compatibility tests and are recommended without any reservations. The decoders that had some minor issues, but are basically OK, are shown with a donut. Read the notes to see why they did not get a check mark. Finally, some decoders failed the compatibility tests so they are not listed. You can assume we don't recommend their use with the CONVRTR.

MFG	Model	Decoder Type	Compatibility Test	Notes
Phoenix	P8	Sound Only	<input checked="" type="checkbox"/>	Connect orange wire to DCC green wires to battery
	micro14	Sound Only	<input checked="" type="checkbox"/>	Connect orange wire to DCC green wires to battery
Soundtrax	Economi 1 Amp	Sound+Motion	☼	High surge current. May need series 1 ohm resistor that is included with the CONVRTR. Must not exceed CONVRTR 2.5A rating. See the CONVRTR user guide for details.
	Economi 2 Amp	Sound+Motion	☼	
	Economi - PNP 2 Amp	Sound+Motion	☼	
	Economi 4 Amp	Sound+Motion	☼	
	Piko Tsunami	Sound+Motion	☼	
	Old Tsunami	Sound+Motion	☼	
	DSD [old]	Sound+Motion	<input checked="" type="checkbox"/>	No issues
MC2 H104 OP	Motion Only	<input checked="" type="checkbox"/>	No issues	
TCS	FL4	Multifunction	<input checked="" type="checkbox"/>	No issues
	T1	Motion Only	<input checked="" type="checkbox"/>	No issues
	WOW 101-KA-Diesel	Sound+Motion	<input checked="" type="checkbox"/> ★	Verify WOW has latest software
	WOW 101-KA-Steam	Sound+Motion	<input checked="" type="checkbox"/>	Verify WOW has latest software
NCE	D808	Motion Only	☼	Must not exceed CONVRTR 2.5A rating
Lenz	LE130XF	Motion Only	☼	May need to flip input DCC wires for programming to work
Digitrax	SDH164	Sound+Motion	<input checked="" type="checkbox"/>	No issues
	DH465	Motion Only	☼	Front and rear headlights both turn on with F0 active

☼ See notes column

100% Compatible No Issues Found

★ Earlier WOW decoder software will not work with the CONVRTR. To check for latest version, look on cover of WOW manual. It will say "Airwire Compatible."

When To Use The Supplied Series Resistor:

Most DCC track powered sound decoders today have a large surge current when power is first applied. With high battery voltages and high current demand from the sound decoder the CONVRTR output protection circuits may activate shutting down the DCC output. If your decoder will not turn on when power is first applied then insert the supplied resistor between one of the output terminals and one of the decoder input wires. Either terminal and either wire can be used.

The supplied resistor is rated at 1 ohm and 2 watts and will work for most low to medium current applications. However for decoders driving high current motors, the resistor wattage should be increased. We recommend a 5 watt resistor.

Let us know if you have found another brand or model that performs well with the CONVRTR. We will add it to the list and keep the website list up to date.