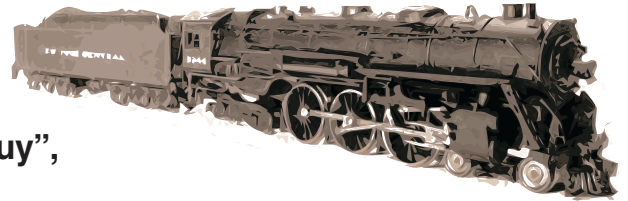




BROADWAY LTD HEADQUARTERS

Tony's was the first to test and review prototype models of the exceptional Broadway Ltd. 4-6-4's with DC and DCC sound. We can tell you more about Broadway's operating characteristics than other dealers, like how to program and operate to utilize all the great features of the 4-6-4's and new models to come. These locomotives run smooth, have good traction, impressive detail and sound, a "best buy", so get them while they last and reserve yours now!



Call 1-800-978-3472 for free Broadway Ltd Hints and Tips!

MODEL	DUE	LIST	TONY'S
ALCO RSD15	02/05	249.99	varies
ATSF Northern 4-8-4	Avail	329.99	279.95
ATSF 2-10-2 or 2-10-4	06/05	349.99	297.95
ATSF Northern 4-8-4	Avail	329.99	279.95
C&O Texas 2-10-4	Avail	379.99	319.95
C-16 2-8-0 ON30	Avail	269.99	229.95
E3A	Avail	259.99	220.95
E6A	Avail	259.99	220.95
E6AA	Avail	499.99	424.95
E6AB	Avail	329.99	279.95
E6ABB	Avail	549.99	467.95
E8/9A PRR, SP, UP only	03/05	274.99	233.95
E8/9A Undecorated	03/05	254.99	216.95
E8/9B Undecorated	03/05	224.99	191.95
E8A	03/05	259.99	220.95
E8AB	03/05	349.99	297.95
E8B Powered	03/05	229.99	195.5
E8B Unpowered	03/05	104.99	89.25
EMD E7A	Avail	229.99	189.95
EMD E7A 2nd Release	04/05	225.00	189.95
EMD E7A/E7B AB Sets	Avail	424.99	359.95
EMD E7A/E7B ABB Sets	Avail	504.99	429.95
EMD E7B	Avail	199.99	TBD

continued



MODEL	DUE	LIST	TONY'S
EMD E7B Dummy 2nd Release	Avail	79.99	69.95
EMD SD40-2	Avail	249.99	209.95
EMD Switchers NW2 Ph V, SW7 Ph I/II	Avail	179.99	154.95
F7A	???	209.99	178.95
F7A Undec	???	199.99	169.95
F7AB Set	???	399.99	339.95
F7AB Set PRR, UP	???	419.99	356.95
F7ABB ATSF	???	479.99	407.95
F7B	???	199.99	169.95
F7B Undec	???	189.99	161.95
F7B UP	???	209.99	178.95
Gen. Am. (GACX) 53-6 Wood Refr. Car Single	12/05	26.99	22.95
Gen. Am. (GACX) 53-6 Wood Refr. Car 2-pack	12/05	49.99	42.50
GE AC6000CW	11/05	249.99	212.95
GE C30-7 2/4 Window Cab	02/05	249.99	212.95
GE C30-7 UP only	02/05	264.99	225.95
N&W Class J	12/05	379.99	322.95
N&W H2A Hopper Cars	Avail	149.99	129.95
NYC J1e 4-6-4, J1d 4-6-4	03/05	329.95	279.95
NYC S1b Niagara 4-8-4	02/05	329.95	279.95
PRR K-4	Avail	450.00	382.50
Sidekick		29.99	26.95
Stock Cars based on PRR K7A	Avail	99.99	84.95
Stock Cars with Sound	12/05	99.99	84.95
UP Mountain 4-8-2	08/05	329.99	279.95
USRA Light 2-8-2	Avail	299.99	254.95

PowerShields Boost Restart for Broadway Ltd and DCC

As DCC product options have evolved so has the need for more power. The advent of Broadway Ltd locos is yet another example of the great products that DCC is spawning. Although the wonderful sound and features come at a cost ... power! The power required is not necessarily in normal operations but in the re-start or initial power-up conditions. The storage capacitors on these locos, that help provide smooth power for operations, look like a short circuit to DCC systems on initial power-up or re-start after a track short. Upon power-up or re-start these capacitors draw significant current for an instant, essentially tripping the DCC booster that this is a track short. Operators using multiple Broadway locomotives are beginning to report this power-up/re-start problem.

We have tested some of the popular DCC systems for the Broadway Ltd re-start effect. The test was performed at idle (static), zero speed for all locos, in order to have uniform data. Under speed or load (dynamic) the results would diminish. We could practically test only 11 BLI at once, hence 11+.

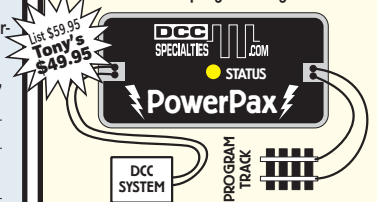
DCC System	Digitrax DCS100, 5A	Digitrax DCS200, 8A	Lenz LZV101, 5A	NCE PowerPro, 5A
Static Re-Start (# of BLI E7s)	4	8	11+	11+
Static Re-Start using PowerShields (# of BLI E7s)	7-8	11+	11+	11+

The Digitrax DCS100, 5A faired lowest in BLI re-start followed by the DCS 200 8A, the Lenz LZV 101,5A and the NCE Power Pro 5A. Using PowerShields significantly improved the performance of both Digitrax units. Lenz and NCE faired well without the Power Shield although using the Power Shields with Lenz provides an automatic re-start eliminating the need to re-start by manual throttle control.

Conditions vary from layout to layout so these results may not exactly apply to yours. If you are using or intend to use Power Shields, the optimum programming jumper setting is pins 3-4 for both trip time and trip current. Please call if you have further questions.

GUARANTEED QSI/ Soundtraxx PROGRAMMING

Having trouble programming your Broadway Ltd. locos? The PowerPax DCC Programming Booster makes BLI programming a SNAP!



The evolution of hi-tec DCC decoders has outpaced the programming power most DCC systems can provide. The PowerPax safely boosts programming power and gives you hassle-free programming for BLI, Soundtraxx, and multiple decoder/loco combinations. Recommended for and compatible with Digitrax, Lenz, NCE, and all DCC systems. Manufactured and distributed by DCCSpecialties.com.