

Introducing the *NEW*  
**peterson**  
**Single Board Duo Set™**  
**Combination Action**

After more than 35 years of production and many thousands of installations worldwide, Peterson is proud to introduce the next generation of its renowned Duo Set™ combination action. By utilizing modern Surface Mount Technology assembly methods and clever design, all the features of the familiar Duo Set and several significant enhancements are now available in a smaller, better, and less expensive product!



**Key Features:**

- Feature-rich at a low cost!
- Fully installer-configurable.
- 128 memory levels.
- Small, attractive and easy-to-mount control panel.
- Fast memory select via rotary knob with numeric display.
- Piston Sequencer to step through general pistons.
- Positive or Negative inputs and outputs are available.
- Memory lockout keyswitch is optional.
- No memory backup batteries or capacitors are required.
- Duo-Set (both tripper and capture setting methods may be used).

**peterson**  
ELECTRO-MUSICAL PRODUCTS, INC.

11601 S. Mayfield Ave. \* Alsip, IL 60803 \* USA  
Voice: 708.388.3311 \* Fax: 708.388.3367 \* Toll Free 800.341.3311  
[www.PetersonEMP.com](http://www.PetersonEMP.com) \* [www.ICS4000.com](http://www.ICS4000.com)

# **The Peterson Single Board Duo Set™**

## **Combination Action**

### **CAPACITIES FOR EACH SINGLE BOARD DUO SET™**

**(Use two boards for more capacity)**

- 64 stops maximum.
- Stop divisions are selectable for:  
2 manual: 20 Swell, 20 Great, 16 Pedal, 8 couplers (couplers are operated by General pistons only).  
3 manual: 16 Swell, 16 Great, 12 Choir, 12 Pedal, 8 couplers (couplers are operated by Generals only).
- 64 settable piston inputs maximum.
- Piston inputs are selectable for:  
2 manual: 24 Generals, 16 Swell, 16 Great, 8 Pedal.  
3 manual: 32 Generals, 8 Swell, 8 Great, 8 Choir, 8 Pedal.
- Reversibles: 4 reversibles can be wired in parallel with any stops.
- Pedal Piston Couplers: DIP switches or optional blind reversibles select whether pedal stops are controlled by manual divisional pistons. Inputs for 3 are provided, to control Swell, Great, and Choir divisions independently.
- Piston Sequencer: "Euro Style"; Up and Down pistons step through generals.
- Other piston inputs include: Set, General Cancel.
- Crescendo/ Sforzando lock-out inputs (+ or – polarity) can disable setting when these functions are active.
- Installer wiring pins are compatible with Peterson EZ-Wire™, Standard Peterson "Output", and Peterson Quick Punch™ IDC punch-down connector systems.

### **EXTERNAL OPTIONS**

- Sforzando/Tutti:  
Familiar Peterson Sforzando Reversible and Stops Junction hardware is utilized.
- Additional Reversibles:  
Peterson "X12" reversibles are used for blind reversibles.
- The Peterson Jumper Wire Crescendo System is available.
- If a single memory-level combination action is desired, the control panel need not be purchased.
- "Last General Piston Used" indication for Piston Sequencer. Can be a two-digit numeric display or lighted pistons.

### **SPECIFICATIONS**

- Coil drivers are UDN2982 chips; negative coil common (positive driver output), 800 mA max. load. (20 ohms @ 16 Volts DC).
- Positive coil common (negative driver output) is available upon special order.
- Coil on-time is selectable for ~100 mS to ~450 mS via DIP switches (8 steps of 50 mS each).
- Built-in fuse protection is provided using 6A PTC automatically re-settable fuses.
- Operating Voltage range is 10.5 - 18VDC. A 24 Volt version is available upon special order.
- A single circuit board, utilizing Surface Mount Technology (SMT), is utilized.
- Size is 17" x 7.25" (approx.).