

# EASYDCC™

# T2300E OPS THROTTLE

## Comfortable, Simple Operation, And Fully Compatible

This throttle is designed for operation. It is simple to use and is comfortable in your hand. The rugged design is perfect for hard working operators. As requested by many of our loyal customers, the OPS throttle eliminates the possibility of an operator accidentally changing critical setup information such as the ID number or the transmitter frequency. It works along with and is compatible with all of our EasyDCC wireless receivers.

## Built-In Rechargeable Battery

A self-contained rechargeable battery saves money compared to expensive alkaline batteries. The internal, high-capacity lithium-ion battery provides more than 40 hours of continuous operation without recharging. Plus, an automatic power off feature turns off the throttle after 15 minutes of non-use. The battery is protected against overload and undervoltage.

## Standard USB Charger

The internal lithium battery is recharged using a standard USB charger. Almost any USB charger can recharge the built-in battery. You can use the USB port in your car or, if you plan to have many OPS throttles, consider getting a USB multi-port charging hub. These are inexpensive and readily available.

## Sleek Comfortable Case

After a lot of development effort, the OPS throttle has been fitted into our popular, tall skinny case. This style has proven to be a favorite for serious operators and allowing for one-handed operation. The case measures 1 inch thick, 6 inches tall and 2 inches wide.

## Rugged, Classic Single Turn Speed Control

The large speed control is a classic single-turn potentiometer. It is robust with a heavy duty mechanical stop at the off position. Precise speed control is improved with full 320 degrees of silky smooth rotation.

## Super Bright Graphic Display

The new T2300E features a large and rugged graphic display. It comes standard with a backlight that can be turned on or off as needed. The throttle frequency and ID number are visible at a glance.

## Dedicated Direction Key

The T2300E features a dedicated direction key. There are 13 function keys, F0 to F12, just a keystroke away.

## Simple To Learn – Easier To Use

The OPS throttle uses just a few key strokes to select a locomotive. Just push the green # key, followed by the locomotive number and conclude with the green key and drive away. That's it. There are no complicated locomotive acquisition steps; there is no "throttle paring" and there are no "dispatch cords" to plug in.

## Throw Turnouts Too

Just push the ACY key, enter the accessory decoder number and use the R-Off and N-On keys to throw the turnout.

## Hidden Setup Menu

A hidden setup menu, not accessible to operators, protects against accidental changes to important throttle settings.

## Ordering information

### T2300E Combo - Includes the Charger and Charger Cable

T2300E6C . . . Throttle for EasyDCC v6 Software . . . . . \$159 ea  
T2300E4C . . . Throttle for EasyDCC v4 Software and Lenz Systems . . . \$159 ea

### T2300E Throttle Alone

T2300E6X . . . Throttle for EasyDCC v6 Software . . . . . \$156 ea  
T2300E4X . . . Throttle for EasyDCC v4 Software and Lenz Systems . . . \$156 ea

Charger Cable Alone [microcable] . . . . . \$3 ea



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**Universal AC Wall Charger**  
AC Input 90 to 240VAC  
DC Output 5V @500mA  
USB Jack



**Charger Cable**  
microUSB to USB

## Will the T2300E Work with Other DCC Systems?

There are versions available for the EasyDCC v6 and v4 Systems. Also, if you have a Lenz System and our ALR900 Wireless Receiver, the new T2300E throttle will work along side your other CVP wireless throttles.

## What is the T2300E OPS Throttle?

The OPS throttle is specifically designed for your operators. Your operators will find the new throttle easy to learn and easy to use. It has a dedicated single turn potentiometer and a separate key for direction control.

Operators will enjoy the benefit of fewer mistakes caused by accidental changes to throttle setup. All setup is behind a protected menu the operators don't have access to.

The OPS throttle is rugged enough to survive young energetic operators yet precise enough for precision control. The industrial strength potentiometer offers smooth speed control.

The rugged bright display includes a built-in backlight for dim rooms or night use. You can turn it off and save battery life if it isn't needed.

## What benefits does the OPS throttle provide to the user?

With a rechargeable battery, the OPS throttle no longer needs a handful of batteries to survive a long weekend of operation. Instead, it uses a 2000mAh lithium battery that will last in excess of 40 hours.

## Why would I buy the OPS throttle without the charger?

Since the T2300E can use any USB source for charging, a multiport USB charger works perfectly to recharge a number of throttles. Or, you can use a USB port on your car to recharge the throttle. The only requirement is for you to purchase the proper interface cable which costs about a \$1 and is readily available.

## Can the T2300E internal battery be easily replaced?

Yes. The lithium battery connects via a plug and socket so it is easy to replace should the need ever arise.

## How long does it take to recharge the battery?

About 6-8 hours if the battery is fully discharged.

## Can I use my cell phone charger to recharge the battery?

Yes if the charger output is no greater than 5 volts.



**MADE IN THE USA**

## Can the battery charger be plugged in all the time?

Yes. The OPS throttle has a built in intelligent charge management chip that protects the battery against overcharging.

In addition, the battery itself includes built-in protection against overcharge, undervoltage and overvoltage conditions.

However, if you will not be using the throttle for a long period of time, the battery should be unplugged before storing the throttle.

## What are the supplied battery charger's specifications?

Input voltage anywhere from 90 to 240VAC 50/60Hz.

Output voltage is regulated at +5V at 1.5 Amps.

## How will I know the battery needs charging?

The graphical display shows a battery icon. When fully charged, the icon has a solid black fill. As the battery depletes the solid black gradually empties out. When there is about 30 minutes of charge remaining in the battery, a message will appear saying CHARGE BATTERY. Once the battery is depleted, it must be recharged before using it again.

## What kind of battery is inside the OPS throttle?

The internal battery is a 3.7 volt Lithium-Ion battery with a 2000mAh rating. This battery includes a built-in protection circuit board.

## Can I use the throttle while it is charging?

No. The moment the charge is plugged in, the charging symbol appears. After about 15 seconds, the throttle turns itself off. This feature helps to speed up the charging.

## How will I know when the charging is completed?

Just push the PWR button. If the throttle turns on normally, the charge is complete. However if the charging icon appears, the charge is not complete and the throttle will turn off in about 15 seconds. But, if you must the throttle, just disconnect the charger cable first.

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## NOW SHIPPING!

### Limited Time Introductory Special

Place your order now to beat the rush. Save 12% of the list price\* when you order 6 or more T2300E wireless throttles.

\*Any version, bulk packaging only, and sent to a single delivery address.