

The Future of Model Railroading

CabControl WIRELESS CONTROL SYSTEM

Welcome to the Future of Model Railroading! Simply with the touch of a finger you can have access to over 16,000 locomotives along with over 1,000 switches and other accessories!

- ✓ Completely wireless model railroad operation
- ✓ Ergonomic, Android based remote control unit with TFT Display
- ✓ Internal database capable of holding more than 16,000 locomotives with specific names and symbols and up to 28 functions per locomotive.
- ✓ Easy to create multiple unit consists. Capable of configuring and controlling more than 1,000 switches and other accessories
- ✓ Conveniently updatable with internet connection
- ✓ Runs all DCC decoder equipped locomotives
- ✓ Automatic train detection using RailCom-Plus®
- ✓ Integrated 7A Booster

ESU Mobile Control II

- + Android operating system
- + ARM CPU, 512 MB RAM, 2 GB Flash ROM
- + 3.2" TFT Display, 800x400 resolution
- + Large Dial for easy speed control and direction change capabilities.
- + 4 user-personalized buttons
- + Micro USB port for Software Updates and battery charging.
- + 5-8 hours of battery life.
- + 3.5 mm stereo headset port (microphone & head phone)
- + Connects to all common WLAN access points



MSRP \$499.99

ESULLC 23 Howard Street Montoursville, PA (570) 980-1980



ESU Integrated Control Unit

- + CabControl creates a wireless network for over 32 wireless controllers
- + Connects through your LAN to provide internet connection
- + USB Port for Software Updates and throttle charging
- + DC 5.5 mm / 2.1 mm socket for external regulated DC power supply

CabControl – The Future of Model Railroading



Locomotives

Data for over 16000 locos can be held in the system
Loco Icons show the engine you are running
28 colored graphical icons for easy function identification



Accessories

More than 1000 accessories can be controlled
and can have status visually displayed



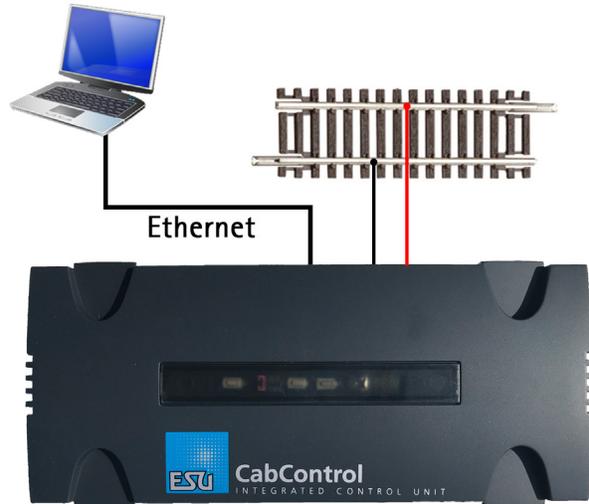
Consisting

Easily created virtual consists so no CV changes are needed
Ability for all functions to be controlled while in consists



Conveniently Updatable

Updated easily for free as new features
become available



Since smart phones with touch screens have almost completely replaced the conventional mobile phone, model train enthusiasts and manufacturers face the question how to employ more powerful devices for controlling model trains. As a result of this, many apps have been developed lately, which can be uploaded onto your mobile phone and used for running your trains.

This concept, however, has one disadvantage, namely that smart phones have not been primarily designed for running model trains. Due to the lack of suitable input elements the operator is forced to spend most of the time looking at the display. The limits become quickly obvious so we at ESU had a look at the question on how to utilize the advantages of the smart phone technology and combine it with the needs of model train enthusiasts.

It is with great joy that we now present the results of our considerations. With the new ESU CabControl DCC system you have wireless control of your locomotives, accessories and routes simply by Wi-Fi!

With the 50310 CabControl Integrated Control Unit, advanced model railroading is as simple as ever. With our new system, you have full control over your locomotives, switches and signals just at the tap of a finger. The unit communicates with our Mobile Control II Wireless Controller via wireless LAN. The CabControl's integrated 7 Amp booster also allows it to power even larger layouts with ease. LokSound decoders equipped with Rail-ComPlus® even register automatically with the system! Running trains has finally caught up with the technology of today!



CabControl - Integrated Control Unit

ESU's "North American" System

This system was specially developed for use in North America and Australia.

- American and Australian locomotive icons (along with European Icons)
- Easy Consisting for multiple unit lash-ups using drop down menus
- Wireless walk around system making it easy to follow your train on a large layout.

Technical Specification

CabControl Features

- All DCC modes (14, 28, 128 speed steps) Long and short addresses
- Over 16,000 locomotives can be arranged and controlled
- Up to 28 functions per locomotive

Built-in WLAN Access Point

- Creates a unique Wifi-Network for your Mobile Control II Wireless throttles
- Supports at least 32 Mobile Control II Wireless Controllers
- Compliant with all relevant IEEE WLAN standards. Suitable for use in America and Europe
- The Cab Control features a LAN port to connect the box to your home network.
- Via the home network, the CabControl can be connected to Model Railroad Control Software.

"ECoSlink" port

- For easy connection with our ESU boosters, CabControl supports ECoSlink, a high speed, CAN based bus system.

The CabControl built-in booster has so much power that, in most cases, you don't need additional ones.

Hook Up

Hook up is simple with the CabControl system. All you have to do is plug the 7 A* power supply into the Cab Control box and then hook up your CabControl box to your track for track power and its ready to go! The wireless controllers automatically connect to the system via WLAN.

Upgradable

On occasion new features will be added to the CabControl system. Gone are the days of having to send your DCC command station back to the manufacturer for updates! When a new update becomes available it is as simple as loading this to a USB Data stick and plugging it in to the back of the system. Easy!

Protection

Each CabControl system meets the relevant requirements regarding safety and operation on a layout: The track outlet is protected against overload as well as short circuits. Each CabControl system can differentiate between a "genuine" short, and a momentary current drain when passing over switches or gaps. We place value on the indestructibility of the device, just like we do with our mobile decoders.

As the CabControl System uses the ESU Mobile Control II Wireless Throttles, expansion is easy as these throttles are already available and will connect automatically to the Integrated Control Unit. The system can also be used with the ECoSBoost Boosters using the ECoSlink Terminals when more power is needed for large layouts.



CabControl - Handheld Wireless Throttle

Ergonomics & Functionality Combined

When you hold your CabControl Throttle in your hands for the first time you will immediately notice its excellent ergonomics. All Parts of the screen can easily be reached with one hand, and unlike a cell phone throttle, the most important functions can even be reached “without looking” giving you the ability to watch your trains and not needing to watch your throttle. This is due to the central, motorized throttle knob with end stop. With this knob you can delicately control the speed of your trains and change direction.

For activating functions simply touch the icons on the display. The display also serves for changing functions – exactly the same way as you know it from your mobile phone. Finally, two buttons each on either side serve for changing direction or triggering the most important functions. These side buttons are user editable giving you the choice of what you want to control with them.

Colorized Function Icons are displayed showing what function does what. Gone are the days of having to memorize what function button control what decoder feature.

Running Locomotives

The CabControl Throttles can control all locomotives registered in the system and supports 14, 28 or 128 speed steps. All of the important locomotive properties such as name, a picture, function mapping as well as easily identifiable icons for function buttons will be taken from the Integrated Control Unit and will be displayed correctly.

You may switch up to 28 functions for each locomotive, which, of course, can either be momentary or continuous functions. You read that correctly! EVERY Function Button can be momentary or latching depending on your use! No more limitations on how you function map your decoders.

As standards are constantly changing and the number of DCC function buttons is increased a simple update will allow for even more!

Controlling Accessories

All accessories can also be accessed by the CabControl throttle. Integration of other ESU accessories like SwitchPilots, ECoSDetectors, and our upcoming SignalPilots are recommended as the built-in RailCom will add to the enjoyment.

More Fun in Operations

The high resolution (480 x 800 pixels, 280 dpi), backlit TFT display of the CabControl Throttle always keeps you up to date on the most important operating parameters. Furthermore, you can see if another operator controls a certain locomotive or if an emergency stop has been triggered. The permanently installed, powerful Lithium polymer rechargeable battery will serve you right through the most extensive operating sessions giving 5-8 hours of operation based on how you are using your throttles. Recharge the batteries of your CabControl simply by using the USB port on the Integrated Control Unit and the supplied Micro USB Cable or the battery charger of your mobile phone or any other USB port.

Open Platform

The CabControl Throttles are based on the Android operating system. We have created a powerful basis for this open, globally used operating system: The ARM® Cortex® A8 microprocessor clocked with 1.3 GHz and controls a high resolution 3.2 inch TFT color display. A capacitive touch screen assures touch-free data entry. For communicating with the “outside world” there is an USB port and a WLAN interface. Thanks to the standardized radio control interface, trouble free operation of your layout can be assured at any time. The range can be extended with WLAN repeaters, if necessary.

Due to the open platform design you may add further apps for the Google Play Store at any time.

*The CabControl DCC System was specifically created for the North American and Australian Market and as such can only be purchased through ESU LLC in the USA.