

CVP PRODUCTS

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**CVP PRODUCTS
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WIRELESS THROTTLE GUIDE
For ATLAS, LENZ, SYSTEMONE, NCE

Wireless For Lenz - Atlas - SystemONE - NCE

❖ No changes to your existing system

❖ Selectable operation mode

\$149

❖ Simple connection to Control Bus

❖ Illustrated manual

❖ Supports up to 8 throttles

❖ Removable antenna for easy transport

❖ Sensitive, omnidirectional range

❖ Socketed software for easy upgrades



Basestation Size
7x5x1.5

❖ Add Our Popular Wireless Throttle To Your Lenz, Atlas, SystemONE or NCE DCC System

With the addition of the ALR900 wireless receiver to your control bus, you can immediately add the freedom of our award winning wireless throttle to your Lenz, Atlas or SystemONE DCC system. There are no changes to your system and the wireless throttles can be used along with your existing throttles. Nothing special to do or learn. All of our EasyDCC TX904e and RF1300-4 throttles are compatible with the ALR900 without any changes.

❖ Easy Connection To Your System - Eight Dedicated Frequencies - No More Missed Commands!

The ALR900 plugs directly into your existing system's throttle bus without any changes. No need for an external transformer since the receiver's power comes from your existing control bus. And one ALR900 supports up to eight throttles, each on their own dedicated frequency. No congestion, collisions or missed commands with the ALR900 receiver!

❖ Excellent Reception

The ALR900 uses an advanced technology 900MHz receiver for error free reception. The small 3.5 inch antenna has been carefully tuned and works equally well indoors or outdoors. The ALR900 also includes sophisticated error detection software to prevent improper command decoding and erratic operation.

❖ Fast Response Time

Throttle commands, including speed, direction and function activation are sent continuously from the handheld throttle to the receiver. This assures you of no missed function key commands or missed changes in speed or direction. This become extremely important when your locomotives use large values of acceleration and deceleration.

❖ Easy Setup

All setup switches are readily available on the front panel. You can select from the different options or change them at any time without opening the chassis. A special feature allows the ALR900 to issue a system-wide shutdown OR a single locomotive address emergency stop when activated from the throttles. This is very handy when your locomotives use large values of acceleration and deceleration.

❖ More Function Keys And Accessory Decoder Control Too

Adding the CVP Wireless Throttle gives you 9 function keys in a convenient and easy to understand layout. This will greatly enhance your enjoyment of sound decoders especially if you are using the Atlas DCC System which only has a few function keys on the throttle. Accessory decoders can also be controlled directly from the throttle while maintaining locomotive speed and direction control.

Atlas And Lenz Wireless Basestation ALR900
SystemONE and NCE Wireless Basestation ALR900s

RF1300 Wireless Throttle



❖ Penetration Power With Advanced RF Technology

Unlike other wireless technologies, you are free to move about your layout while maintaining direct control of your train. The Digital Wireless throttle utilizes 900MHz RF technology to output the maximum legal power allowed by law. The penetration power of the 900MHz transmitter provides excellent coverage for all types and sizes of layouts. The signal penetrates through walls, insulation and other objects commonly found in and around a layout. The RF1300 works equally well in basements, attics, garages, and outdoors. The license free transmitter has been FCC tested and certified.

❖ Easy To Use

The simple and intuitive layout of the RF1300 makes it easy to use without having to learn and remember complicated instructions. The RF1300 has all the same functions as our plug-in throttle including a big speed knob, push-button direct locomotive and accessory address selection, and single key access to 9 auxiliary function keys.

❖ Simple Locomotive Selection - Any Time, Any Where

Locomotive address selection has never been easier. No need to go to a special location, or decipher confusing instructions. Simply key in the locomotive address and drive away. You can quickly change to another address at any time, anywhere. With the Digital Wireless Throttle from CVP, you'll enjoy the freedom to roam about your layout, without the hassles and restrictions of conventional tethered throttles.

❖ Operate Accessory Decoders Too

Accessory decoders can also be controlled directly from the throttle while maintaining locomotive speed and direction control.

❖ Long Battery Life

Obtain up to 30 hours of continuous operation with four standard AAA batteries. The RF1300 also accepts rechargeable Nicad and Nickel-metal hydride batteries. The throttle includes a built-in battery monitor that flashes when the batteries need changing.

❖ Maximum Flexibility

The throttle comes with two built-in operating modes. This provides the freedom to choose the mode best suited to your layout and style of operation. You can choose to have 8 throttles each with their own dedicated frequency.. Or have up to 56 throttles sharing all available frequencies. The operating mode can be changed at any time.

❖ Socketed Software Provides For Easy Upgrades

Never fear obsolescence or advancements in technology. All throttle software is contained in a single convenient plug-in chip. You can easily change it without any special tools, whenever new features are added.

❖ Comfortable, Rugged And Convenient

The sleek, balanced case makes the RF1300 throttle very comfortable even during long operating sessions. You'll find the design allows for convenient one handed operation - for both right and left handed operators. The rugged, plastic case features a solid metal face plate with a durable, oven-baked finish.

❖ Use Along With Tethered Throttles - Or Not!

The RF1300 may be used alone or right along with your existing plug-in throttles without any changes. For new installations, you may choose to use only wireless throttles and enjoy the freedom of no throttle bus wiring.

Wireless Throttle Ordering Information

4-Digit Address Range RF1300-4

Throttle Size
6 x 2 x 1 inches

\$159 Single Unit Price

Note: The RF1300-2 can not be used with the ALR900 receiver

Cross Reference Guide

Compatibility - It's Not An Accident!

It is usually a surprise to many DCC owners to discover that CVP equipment can be used along with their existing DCC system. We actively support and encourage other manufacturers to make their control bus specifications non-proprietary. With this information, we can design compatible equipment which provides you with more options when you expand your system.

On the next page is a listing of equipment along with a rating as to compatibility with various brands of DCC systems. The symbol shown provides a measure of the degree of compatibility.

In almost all cases, CVP equipment can be used without any changes. Sometimes, a special adapter cable may be needed and it is provided or instructions show how to make one. Illustrated instructions come with each **EASYDCC** component.

If you have any questions about compatibility or want to consider upgrading to **EASYDCC** please give us a call to discuss your requirements. Upgrading is easy, fast and not as difficult as you might imagine. And you can use much of your existing equipment without any changes. Call and find out how.

- ✔ **Save money**
- ✔ **Improve performance**
- ✔ **Add new features**
- ✔ **Increase reliability**
- ✔ **Simplify operation**
- ✔ **Expand capabilities**

“IT WORKED FIRST TRY”

“The upgrade was easy although I have never fooled with electronics. I must be a genius! Or more likely you guys are smart enough to make it dummy proof. It worked first try!”

*Doug Blair
Port Huron, MI*

Frequently Asked Questions

The chart shows the wireless receiver and throttle are not compatible with my system. Why not?

Some systems have a throttle control bus that is proprietary with private technical specifications. This means that 3rd party equipment may be subject to licensing fees. Our policy is to support only non-proprietary control buses.

I really like your wireless equipment. However, my DCC system is not supported. What can I do to use your wireless throttles?

Consider upgrading to an **EASYDCC** System. It is much easier than you think. Just install our Command Station and wireless equipment. They work with all of your present DCC decoders and boosters. No changes are needed to track wiring or locomotives. Give us a call if you are considering upgrading.

I live in Australia. Can I use your wireless throttle with my Lenz system?

No. The throttle uses frequencies that are not available in most overseas countries. At this time, the wireless throttles are available only for USA and Canada.

I have an older Lenz system. What do I have to do to use your wireless equipment?

The **EASYDCC** wireless receiver is designed to work with the latest version of Lenz software. Old software may not work reliably. Check with Lenz first. They can advise if you'll need upgraded software.

Can the Power Supplies be used in Europe?

No. These are for North America and Canada only. Input voltage is 110VAC only.

I'm ready to buy. What do I do?

We sell direct to you and pass along the savings in the form of lower prices. Ordering is fast and easy. You may place an order by calling, emailing, faxing or sending us an old fashioned order

“I DON'T NEED TO THINK”

“Perfectly named! I replaced my first DCC system with your EasyDCC System. Now I don't have to think or to refer to a manual to do anything. It's easy!”

*Jim Hamlin
Plano, TX*

Cross Reference Guide

Many **EASYDCC** components can be used with other systems. The chart shows the most common DCC system brands along with a symbol showing their level of compatibility. In some cases an adapter cable may be needed. Illustrated instructions come with each **EASYDCC** component. This table changes so be sure to call for the most up to date listing.

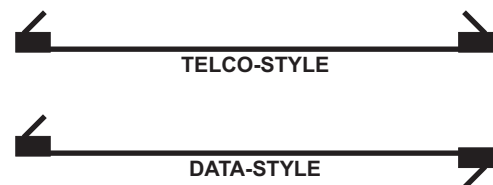
CVP Equipment	Atlas DCC	Lenz Digital Plus	MRC	System1	Digitrax	NCE
Booster-10	◐	◐	◐	◐	✓	◐
Booster-5	◐	◐	◐	◐	✓	◐
Booster3	-	-	-	-	✓	-
TX904 - RF1300 Wireless Throttle	✓	✓	-	✓	-	◐
ALR900 Wireless Receiver	✓	✓	-	✓	-	◐
AD4 Low Current Accessory Decoder	✓	✓	-	✓	✓	✓
AD4H High Current Accessory Decoder	✓	✓	-	✓	✓	✓
PS5 - 5A/18V Power Supply	✓	✓	✓	✓	✓	✓
PS10 - 10A/18V Power Supply	○	○	○	✓	✓	✓

✓ Full compatibility is guaranteed. Connects directly to your existing control bus without any modifications. Note: the ALR900 wireless receiver includes a 7 foot modular data cable. Longer lengths may be ordered. See our website for additional information on any of the equipment listed.

◐ This usually means there is some compatibility but it may be only partial, or require special software, or need a special cable or may not be fully checked out. The Booster-5 and Booster-10 include a modular Telco-Style 6-conductor cable which may be used to construct a suitable cable. To the right are pictures of the two types of cable. These two cables ARE NOT interchangeable.

○ The high current Power Supply can not be used on base unit. However it may be used as a Booster10 power source.

- Not recommended, not compatible or not supported.



If your brand is not listed, please give us a call. In most cases we can provide suitable adapters, drivers and cables to connect your system to the various **EASYDCC** components. **When in doubt, CALL!**