EASYDCC™ New!

XF-Series Wireless Receivers

MADE IN THE USA

XF-Series Group 2 Wireless Receiver
For Use Only With T5000E Throttles

The new XF-Group-2 wireless receiver works **only** with the new T5000E throttles. It uses 8 new frequencies with throttle ID numbers in the range of ID-9 to ID-16. These are 8 new scan frequencies that do not interfere with the original Group-1 scan frequencies.

The XF-Group-2 wireless receiver allows the T5000E throttles to use either scan mode or burst mode. But, with 16 scanned frequencies, the old burst mode will seldom, if ever, be needed.

Group 2		Scan Mode	Burst Mode
Freq #	Freq MHz	T5000E ONLY	T5000E ONLY
8	904.87	Yes	Yes
9	910.87	Yes	Yes
10	913.62	Yes	Yes
11	916.87	Yes	Yes
12	918.12	Yes	Yes
13	923.12	Yes	Yes
14	924.62	Yes	Yes
15	926.12	Yes	Yes

XF-Series Group 1 Wireless Receiver
Works With RF1300, T9000E and T5000E Throttles

The XF-Group-1 wirelss receiver can use any ***CVP wireless throttle*** including the new T5000E throttle, with throttle ID numbers in the range of ID-1 to ID-8. It uses the original 8 frequencies used by the RF1300, T9000E and T5000E wireless throttles.

The XF-Group-1 receiver allows burst mode operation, but only for the T5000E throttles. But, now with 16 scanned frequencies, the old burst mode will seldom, if ever, be needed.

Group 1		Scan Mode			Burst Mode		
Freq #	Freq MHz	T5000E	T9000E	RF1300	T5000E	T9000E	RF1300
0	903.37	Yes	Yes	Yes	Yes	No	No
1	906.37	Yes	Yes	Yes	Yes	No	No
2	907.87	Yes	Yes	Yes	Yes	No	No
3	909.37	Yes	Yes	Yes	Yes	No	No
4	912.37	Yes	Yes	Yes	Yes	No	No
5	915.37	Yes	Yes	Yes	Yes	No	No
6	919.87	Yes	Yes	Yes	Yes	No	No
7	921.37	Yes	Yes	Yes	Yes	No	No

8 More Unique Frequencies!

As requested by many CVP customers and users, CVP has released the new XF-Series Wireless Receivers that offer the answer to the most common request of more frequencies.

With the design of a new radio module, the new XF-Series receivers provides a total of 16 unique frequencies, with better selectivity and better rejection of interference. The benefit of all these features is better performance of your **EASYDCC** Wireless throttles.

8 new and unique frequencies are available with the XF-Series Group-2 receiver. These frequencies are different than the original 8 frequencies so both the new and the old frequencies can be used at the same time.

Great performance on all 16 scan frequencies. This means you can have up to 16 frequencies all operating in the SCAN mode with only one throttle per frequency.

Use multiple receivers for best reception. Multiple receivers insure good reception in distant areas of the layout.

No changes to your existing EASYDCC System. The new XF-Series wireless receivers plug into the existing TBUS cable without any changes. You can keep your original RX904 and add a new XF-Group 2 receiver without any changes.

Supports SCAN and BURST modes. Although it is unlikely you'll ever use BURST again, you'll be pleased to see that both modes are still available for the 8 new frequencies when used with the T5000E throttles.

Upgrade kit is available. Got an extra RX904 receiver? Get the Group-2 upgrade kit to add software chips and the new radio module. In 5 minutes you'll have an up to date wireless receiver with 8 new frequencies ready for use with your T5000E throttles.

Prices (shipping not included)

XFG1	Group-1 Wireless Receiver (includes modular cable and AC power supply)	**$99**
XFG2	Group-2 Wireless Receiver (includes modular cable and AC power supply)	**$99**
XFG2UP	Group-2 Upgrade Kit [self install]	**$50**
T5000E	Wireless Throttle [v22]	**$159**
T5000EBL	Wireless Throttle with Backlight [v22]	**$179**

CVP Products
P.O. Box 835772 Richardson, TX 75083
www.cvpusa.com

Note: CVP wireless equipment is licensed for use in North/South America, and Japan. It is not licensed for sale to Europe, or PAC-RIM countries.

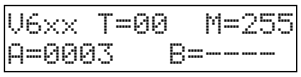
XF-Series Wireless Receivers

Frequently Asked Questions

When will the new receivers be available?

They are available now for immediate shipping.

Which Command Station software is needed?



Your Command Station must be using the version 6 software. The version number is shown on the main screen, in the upper left corner. It must show v6xx. If your command station shows v4xx, you must upgrade your entire system to the version 6 software.

What do I need to run 16 throttles each on their own unique frequency?

You will need a Group-1 receiver, either a new XF-series Group-1 wireless receiver or an existing Group-1 RX904 receiver to handle the first 8 frequencies. These 8 frequencies can use the T5000E, T9000E or RF1300 throttles.

For the second set of 8 new and unique frequencies, you must use a new XF-Series Group-2 wireless receiver. Only T5000E throttles can be used with the Group-2 receiver. Another way of remembering this distinction: "Only new T5000E throttles for the new frequencies"

How are the new XF receivers connected to EasyDCC?

The XF-Series receiver connects directly to the throttle bus or you may use the modular cable. As described in the Command Station user guide, all of the wireless receiver hookup options are available.

Can an XF-Group 2 wireless receiver be added without changing my older RX904 receiver?

Yes. However, the Group-2 receiver only works with the newer T5000E throttles.

Any changes to my older throttles?

No changes are needed to your existing wireless throttles assuming they are already running version 6 software.

Can I upgrade my older RX904 receiver to be an XF-series Group-2.

Yes! A self-install kit is available. This kit provides a brand-new custom radio receiver module along with the appropriate processor chips to create a XF-Group-2 receiver from your older RX904 receiver.

I have an older Group-2 RX904 receiver. Is it compatible?

No. While the software is OK and can remain unchanged, you must upgrade to the new radio module to be have the 8 new frequencies.

How difficult is the upgrade task?

The original top circuit board and the top cover of the RX904 are removed and discarded. The old processor chips are removed and discarded. New processor chips are installed and the new radio module is plugged into the header on the bottom circuit board. That's all there is to it.

Do the old TX900 series wireless throttles work with the New XF-Group 1 wireless receiver?

No.

Is burst mode available and usable on the XF-Series Receiver?

It depends. The new radio module supports burst mode but is restricted to the T5000E throttle. If you have an older RX904,and decide to keep using burst mode, you must continue to use the old HP-III Linx module. The new RF module does not support older throttles using burst mode for group-1.

I use multiple receivers to provide coverage of my large layout. How do I add more frequencies and still have coverage of my entire layout.

Just like you needed multiple group-1 receivers, you will need to use multiple group-2 XF-Series receivers to provide adequate coverage and improve reception in distant areas. The new XF-Series receivers can mount in about the same locations as your present receivers since their reception patterns are about the same.

I have a mix of T5000E, RF1300 and T9000E throttles presently assigned to several Group-1 and Group-2 receivers. They are all in burst mode. How do I use the new XF-Series Group-2 receiver with this mix.

The new XF-Series Group-2 receiver cannot be used with the RF1300 and the T9000E throttles. The T5000E can be used after changing its frequency. All of the older throttles, presently assigned to the Group-2 ID numbers, must be confined to IDs that are in Group-1 only. The new Group-2 XF-Series receiver can only be used with the T5000E throttles using Group-2 ID numbers in the range of 9 to 16. Scan mode is highly recommended for best performance.

Can I use burst mode with the new Group-1 radio module with my older wireless throttles like the RF1300 or T9000E?

No. The new radio module does not support burst mode for the older throttles. Burst mode is only for the T5000E throttle.

Where is your equipment manufactured?

All CVP Products equipment is designed, manufactured, tested and serviced in the USA.

I live in a country other than the USA. Can I order your wireless throttles?

It depends. Because of the frequencies used (902-928MHz ISM Band) we can only ship our wireless equipment to addresses in North American, Central America, South America, USA, Canada, and Japan.