

transmitter & receiver kit

The Vex Micro Controller can simultaneously support two transmitters and receivers on different frequencies.

The addition of a second Transmitter and Receiver can provide added functionality to your design, enabling two human operators to control different aspects of the same robot. The most common use for this is for one person to control the motion of the robot (by driving it), while the other person controls articulation (the operation of a robotic arm or other attachment).

The Transmitter and Receiver included in this accessory kit come with a different crystal set from the original Transmitter and Receiver supplied with your starter kit. This kit uses 75MHz channel 89 (75.970MHz), enabling you to use both sets of Transmitters and Receivers at the same time without causing interference.

The Vex Micro Controller will automatically detect the presence of the second RF Receiver module on the robot once it is plugged in, and will switch over to dual transmitter controls.

This kit can serve as a replacement if the original Vex Transmitter and Receiver are damaged, stolen, or lost.

Turn to the next page to see an illustration of all of the parts in the accessory kit.

For complete instructions about installing and operating your transmitter and receiver, refer to the Control Chapter in your Vex Inventor's Guide.

The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for radio controlled devices, pursuant to Part 15 and Part 95 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult your local electronics store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your R/C transmitter.

Warning: Changes or modifications not expressly approved by Innovation One may cause interference and void the user's authority to operate the equipment. Only use authorized crystals designed for use with the Vex Robotics Design System RF Receiver.

Limited 90-day Warranty

This product is warranted by Innovation One against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from authorized Innovation One dealers. For complete warranty details and exclusions, check with your dealer.

Innovation One, Inc.
350 North Henderson Street
Fort Worth, TX 76102

11/04

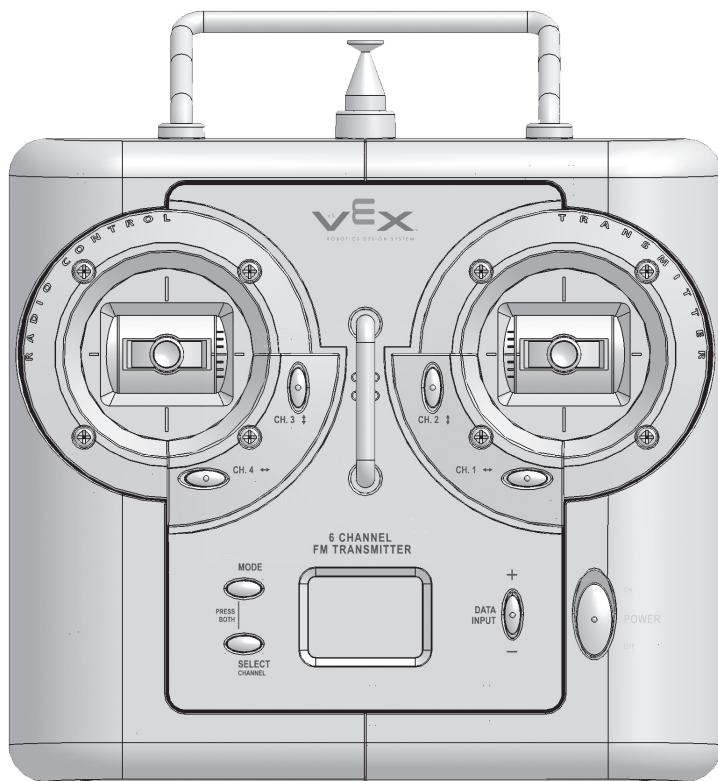
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INSERT THESE PAGES
at the **back of the**
Control Chapter in your
Vex Inventor's Guide.

transmitter & receiver kit, continued

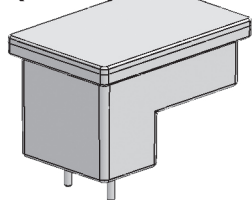
transmitter x 1



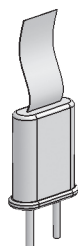
receiver antenna sleeve x 1



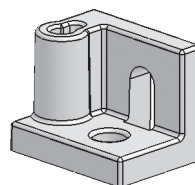
transmitter frequency module (75MHz) x 1



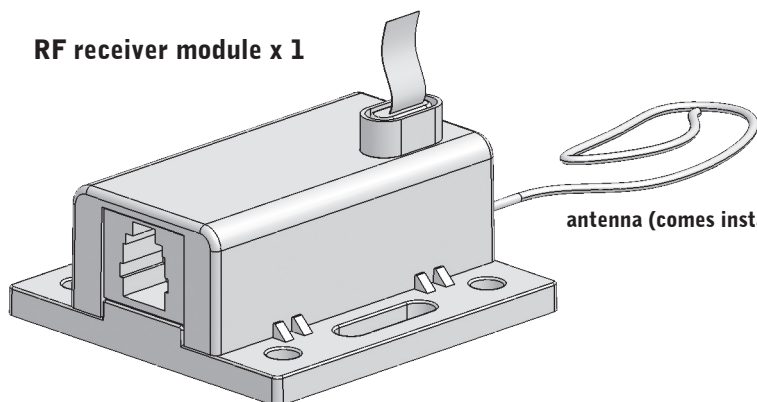
receiver crystal (75MHz) x 1



receiver antenna sleeve holder x 1



RF receiver module x 1



keps nut x 5



8-32 3/8" x 5

