

ER-4 (Easy Remote-4)

4-ch. Infrared Remote Control

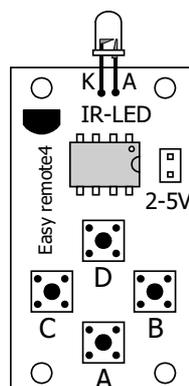


The Easy remote4 (ER-4) is a multi-purpose infrared remote control which sends out analog data mixed into the 38kHz carrier frequency.

- Uses a micro-controller to control the data generated and sent
- Operational distance is 6-8 meters in clearly space.
- The 4 switches operate in on/off mode
- Uses low power; Automatically resumes power-save mode once data is sent
- Uses only 2.4-3.0 V from two AA batteries - both regular and rechargeable. (not included)
- Transmits analog data using the RS-232 standard with 1200 bps baud rate and 8N1 data format (8 data bit, no parity, 1 stop bit)

Operation

To make it easier for the receiver to read the switch value from the remote control, the ER-4 transmits analog data according to the RS-232 standard, with a baud rate of 1,200 bps and 8N1 format. Characters are transmitted according to what switch is pressed on the remote. The switch positions are displayed below



- Press switch A, the large cap A , followed by small cap A is sent.
- Press switch B, the large cap B, followed by small cap B is sent
- Press switch C, the large cap C, followed by small cap C is sent
- Press switch D, the large cap D, followed by small cap D is sent.

The reason that we have to alternate large cap and small cap letters is so that the receiver can differentiate if a user presses continuously or if the user represses.

If a user represses, the large cap character will be sent the first time. If the user represses the same button again, the small cap character will be sent the second time

If the user presses continually, the last character will be sent repeatedly.

