

VM-99 / 99 CHANNEL REMOTE

VM-99

USER MANUAL V1.0





Before using your device, make sure to read the user manual thoroughly. Pay attention to the necessary setup, electrical connections, and first start-up sections, and follow the steps as outlined. After completing these steps, the owner/user is required to keep this manual in a visible and known location for the product's entire lifespan.

- Use the product only indoors and in dry environments. This product is designed for indoor use and does not have protection against water and dust ingress.
- Store the product in a dry environment. Otherwise, the product may malfunction.
- For products that run on batteries or accumulators, these components are not covered under warranty. Likewise, malfunctions caused by battery or accumulator leakage or depletion in products that have reached the end of their shelf life are not covered by the warranty.
- All service and repair operations must be performed only by Kontal Elektronik's technical service. The product must not be tampered with by unauthorized persons.
- The operating voltage for each product is indicated on its label. Do not power the product with a source outside this voltage range.



Failure to comply with the aforementioned conditions may result in fire, serious personal injury, damage to the product, or the structure where it is installed. In such cases, Kontal Elektronik does not accept any liability for damages caused by the user.

- ✓ This symbol will be used for important points in the following sections.



Do not touch the power supply points of the product with bare hands.

- ✓ This symbol will be used for warnings related to voltage in the following sections.



- ✓ The symbol on the label indicates that the product operates with DC voltage.



The symbol on the product or its packaging indicates that this product cannot be treated as normal household waste. Instead, it must be taken to designated collection points for the recycling of electronic equipment. Improper disposal of the product may have adverse effects on the environment and human health.



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1. DESCRIPTION

VM99 is a 99-channel advanced RF remote control capable of controlling up to 99 different receivers simultaneously or sequentially with high precision. Its user-friendly and ergonomic design makes it suitable for both personal and industrial applications. Features:

- **Wide Range:** Ensures strong, continuous signal transmission over long distances.
- **Independently Programmable Channels:** Each channel can be assigned to different receivers, providing flexible control.
- **Easy to Use:** Quick, practical, and easy-to-use.
- **Durable Design:** Built for reliable use in industrial environments.

The VM99 is an ideal solution for projects that require versatile and extensive control capabilities.

2. TECHNICAL FEATURES

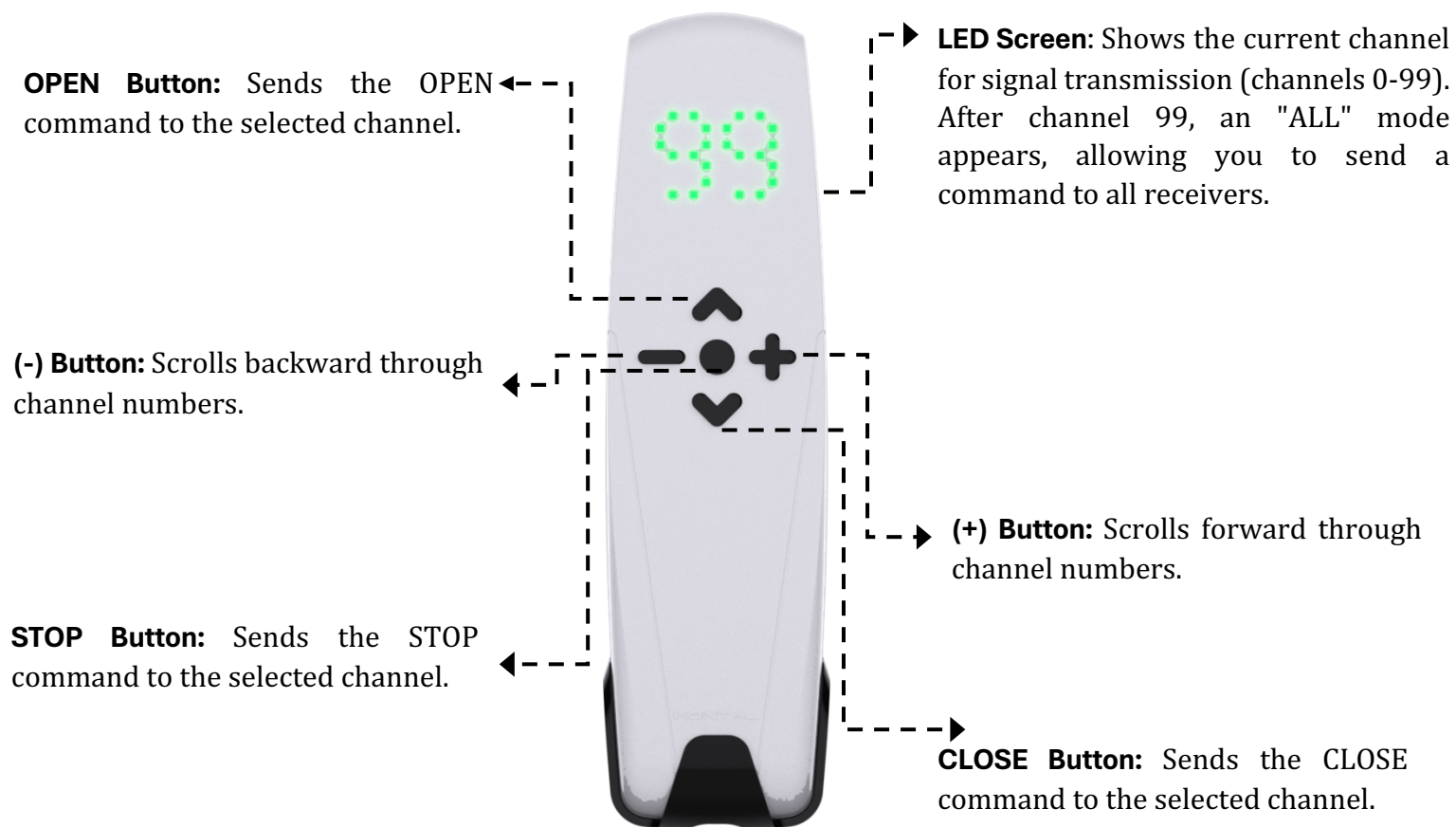
Model	: VM99
Product Code	: K202-01
Number Of Channels	: 99
Operating Voltage	: 9V Battery
Operating Current	: 23mA (Max) @9V DC
Operation Range	: <50 meters*
Operating Frequency	: 433.92MHz
Working Temperature	: -20 °C +55 °C
Weight	: 105.8gr
Dimensions (MM)	: 40 x 146 x 30

* The operating range of the remote control may vary depending on the environment.



If you notice a reduction in range, consider replacing the battery.

3. FUNCTIONS OF THE REMOTE CONTROL



4. Setting Upper and Lower Limits

By setting the upper and lower limits, you can use your remote control within your desired channel range.

4.1 Upper Limit Setting

- Select the desired upper channel, press and hold the **(+)** button for about 10 seconds. The LED Screen will blink, and by pressing the Open Button 10 times rapidly, the LED screen will blink again and the limit is set.
- To remove the limit, go to the current upper limit and hold the **(+)** button for 10 seconds. The LED Screen will blink, and by pressing the Open Button 10 times rapidly, the LED screen will blink again and the limit is removed.

4.2 Lower Limit Setting

- Select the desired lower channel, press and hold the **(-)** button for about 10 seconds. The LED screen will blink, and by pressing the Close Button 10 times rapidly, the LED Screen will blink again and the limit is set.

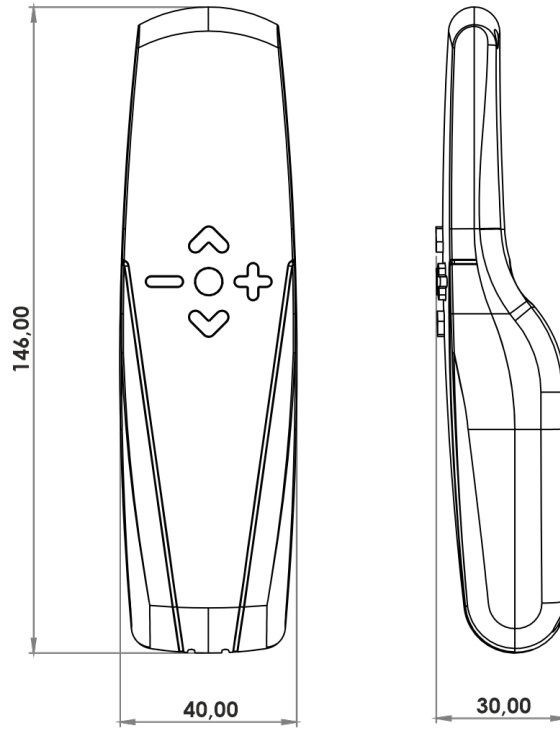
- To remove the limit, go to the current lower limit and hold the **(-)** button for 10 seconds. The LED Screen will blink, and by pressing the **Close Button** 10 times rapidly, the LED screen will blink again and the limit is removed.

5.Entering Remote Learning Mode

This function allows you to put your receiver into remote learning mode, making it easy to program other remotes to your receiver. To enter remote learning mode:

- 1- Select the channel assigned to the receiver on your remote control.
- 2- Then, press and hold the **Stop Button** for approximately 5-7 seconds; this will activate the remote learning mode on your receiver.

6.DIMENSIONS



Unit = mm