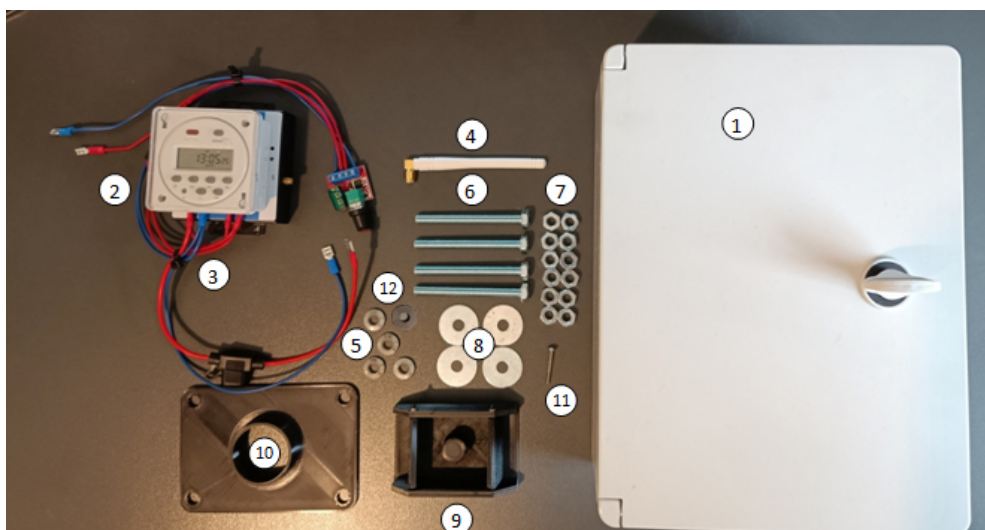# Assembly Instructions for Easy-Kirr Kit

Introduction

Thank you for choosing our product, Easy-Kirr. With Easy-Kirr, you can easily bait or feed wildlife from the comfort of your home. You can conveniently set the time and, consequently, the amount of feed using your mobile phone.

! Please read important notes!

- Observe the applicable legal regulations, such as the State Hunting Act!
- The SIM card used must not have a SIM lock.
- There must be credit on the SIM card.
- We recommend a 12V battery with a max. capacity of 15Ah (dimensions: 150x100x102mm)
- Use a Vodafone or O2 SIM card (Vodafone is recommended for network coverage in Germany).
  - Previously tested operators
    - Vodafone Prepaid Card CallYa - D2
    - Netzclub - O2

Contents:

1.	Easy-Kirr Control Box with Motor	1
2.	Smartphone Module + Timer	1
3.	Cable Harness	1
4.	Antenna	1
5.	Sealing Washers	4
6.	M8x80 Screws	4
7.	M8 Nuts	12
8.	M8 Washers	4
9.	Dispenser	1
10.	Funnel Plate	1
11.	M3x20 Countersunk Screw	1
12.	Rubber Sealing Washer	1

Tools:

- Crosshead Screwdriver (small)
- 13 mm Wrench
- 2.5 (T10) Hex Key

Assembly

Step 1:

Insert the M8x80 (6) screws from the inside out through the pre-drilled holes on the top of the Easy-Kirr Control Box (1). Then, place the sealing washers (5) (rubber side down) onto the screws and tighten them with an M8 nut (7) each.
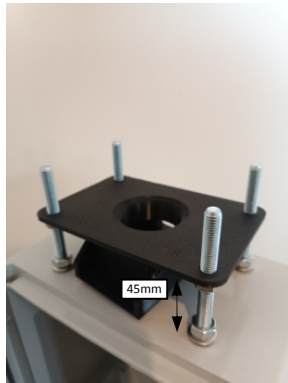

Step 2:

Attach the ejector (9) to the motor, ensuring that you align it with the flat section on the shaft. Secure the ejector with the M3x20 cylinder head screw (11).

Step 3:

Thread an M8 nut (7) onto each of the four M8x80 screws (6) and adjust the distance from the top of the nut to the control cabinet (1) to 45mm. Then, slide the hopper plate (10) onto the four screws.
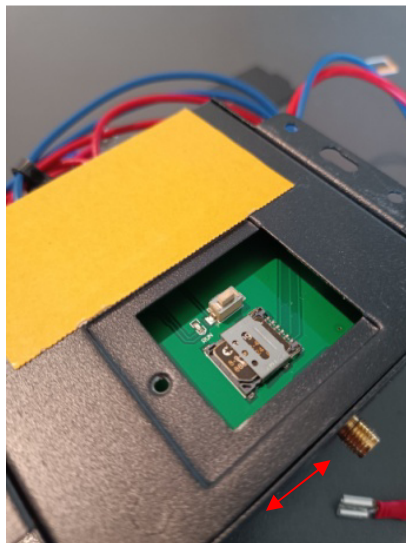
You can use the remaining four nuts and washers to secure it to the feed container. Caution: The hopper plate (10) must not come into contact with the ejector (9) when it is rotating.
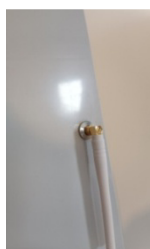

Step 4:

Use the crosshead screwdriver to remove the cover on the back of the mobile module (2). Insert your SIM card. You can slide the metal plate forward and backward, then flip it up to insert the SIM card. Afterward, close and lock the plate.

Caution: The SIM card may be locked with a PIN. Solution: Insert it into the phone first, and then disable the PIN in the SIM card settings.

Peel off the double-sided tape on the back of the mobile module (2) and place the rubber sealing washer (12) on the antenna connector. Insert the antenna connector through the designated hole on the side of the Easy-Kirr Control Box (1). Tighten the antenna (4) from the outside, ensuring the rubber sealing washer (12) is on the inside. Press the mobile module (2) firmly against the rear wall of the control box (1).

Step 5:

Please mount the potentiometer in the provided small black housing. Rotate it completely counterclockwise until it clicks, and attach the red knob so that the red mark points to OFF. Peel off the double-sided tape and position it in the top right corner of the Easy-Kirr control cabinet so that the door can still be closed without any issues.

Step 6:

Connect the red and blue wires (short and small connection) to the motor. Pay attention to the red dot on the motor. The red wire, located at the back of the control box, should be connected to the terminal with the red dot.

Step 7:

Place a 12V battery at the bottom of the Easy-Kirr Control Box. Connect the battery with the plus to the red wire with the integrated fuse and the minus to the blue wire. The maximum battery size is 15 Ah.

Commissioning:

Connect the system to the battery. The timer should be pre-set; if not, follow these steps. Press the recessed button C on the timer to activate it for the first time. By holding down the button with the clock, you can set the day and time using the D+, H+, and M+ buttons. Use the P button to set the day and time when the timer should turn on and off. For detailed information, refer to the accompanying timer description.

Recommendation: Define the on and off time so that the timer is on for a maximum of once a day for at least 15 minutes and a maximum of 30 minutes. This significantly extends the runtime and the potential baiting and feeding period. For example, set the timer to turn on every day at 6:00 PM and off at 6:15 PM (program is pre-set).

Note: The machine also executes commands sent via SMS during the off time. If you send an SMS in the morning to turn on the machine, and the time program is set to turn it on at 6 PM for 15 minutes, it will execute this command at 6 PM. If you send an on command twice in a row while the machine is off, it adds the on times together when it turns on.

Use the Manual button on the timer to switch between three modes:

- Continuous On
- Continuous Off
- Auto (follows the programmed schedule, normal operating mode)

Note: To switch to AUTO mode, the timer must first be set to OFF, and then you can switch to AUTO mode; only then is the relay off.

For the initial setup, we will switch it to Continuous On, and a red LED will light up. When the timer is turned on, the mobile module also activates.

The signal LED initially blinks with a 1-second interval, indicating that the module is searching for reception. When the mobile module is connected, it blinks with a 2-second interval. If the LED is continues red than there is no connection possible.

Before controlling the device via a mobile phone, ensure that the potentiometer is turned on. You can use the potentiometer to adjust the throwing distance. We recommend setting it to half of the scale.

Caution: Make sure you are in an area with mobile phone reception in general.

WARNING: Before sending the command to turn on the device, check if the ejector can rotate freely, and do not put your hand in the ejector while the system is turned on at any time. There is a risk of getting caught!

There are various SMS commands. Here are the two most important commands to control the machine via SMS. Wait 15 seconds between sending commands for feedback messages. Refer to the provided description for additional commands.

Warning: The SIM card must have sufficient balance, and it must not have a PIN lock!

Unlock all phone numbers (allows anyone with the phone number of the inserted SIM card to control the machine)
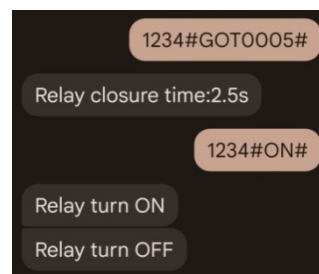
Define operating duration
1234#GOT00xx# (enter the operating time times 2 for xx; e.g., 20 -> 10s on)
Feedback: Relay closure time: 10s

Turn on the machine
1234#ON#
Feedback: Relay turn ON – Relay turn OFF

Note: With the command 1234#N#, you can turn off the feedback SMS to save money on the SIM card. Feedback: Relay action return SMS OFF

The quantity that is dispensed depends on three parameters:

- The setting of the throwing distances (potentiometer).
- Type of bait.

- On-time.

Recommendation: For corn, set the potentiometer to half a turn and the time to 10 seconds.

Once the Easy-Kirr machine has executed the commands and turned on, you can set the timer to "AUTO" and secure the Easy-Kirr machine to a suitable container. You can use the provided nuts (7) and washers (8) for this purpose.

Troubleshooting

If the machine does not turn after sending the SMS, you can carry out the following troubleshooting.
- Check whether the battery is charged, a low voltage level can cause the motor to stop turning
    Solution: Charge the battery
- Check whether the timer is switched on and the LED on the clock lights up red.
    Solution: Check wiring harness
- If the LED on the clock lights up red, the reception LED on the cell phone module must also flash, but it doesn't:
    Solution: Check wiring harness
- If the LED on the receiving module flashes every 2 seconds, there should be reception. If it is always on, the cell phone module has no reception.
    Solution: look for another location
    Solution: Use a different Sim card and net provider
- If the cell phone module flashes every 2 seconds, the command is still not executed, which means the relay does not switch (the second LED on the cell phone module does not come on after sending the SMS) then:
    Solution: Reset the cell phone module (see instructions)
- The relay switches but the motor does not turn
    Solution: Turn up the potentiometer
    Solution: Check whether the ejector can rotate freely. Operate this by hand. Debris, ice or snow can block this.