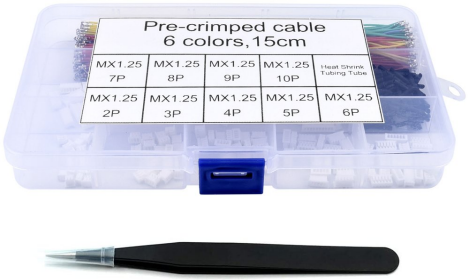
# MX1.25 Kit

MX1.25 connectors and pre-crimped cables (2–10 pins)
User manual




**Read this manual before use. Before connecting a cable, always check the pin assignment of both devices being connected.**

*Rotorama, s.r.o. · www.rotorama.com*

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# 1. Product description

## 1.1 What it is for

The kit contains **MX1.25** connector housings with 2 to 10 pins and cables with contacts crimped on both ends. With them you can assemble an interconnect cable with the required number of pins without a crimping tool. MX1.25 connectors are used, for example, on FPV cameras and some video transmitters (VTX).

The crimped contact of a cable is inserted into the chosen position in the housing, where it locks in place. Choose the order and colours of the wires according to the pinout of the devices being connected. The heat shrink tubing is used to insulate joints, and the tweezers to release a contact from the housing when correcting a mistake.



*Pre-crimped cables → MX1.25 housing → finished interconnect cable*

## 1.2 Technical data and package contents

| | |
|---|---|
| Product designation | MX1.25 Connector and Cable Kit |
| Connector type | MX1.25 |
| Housing pin counts | 2, 3, 4, 5, 6, 7, 8, 9 and 10 |
| Cable length | 15 cm |
| Cables | crimped on both ends, 6 colours |
| Packaging | plastic box with compartments |

## ▶ Package contents

| Qty | Item |
|---|---|
| 20 pcs | MX1.25 housing, 2 pins (2P) |
| 20 pcs | MX1.25 housing, 3 pins (3P) |
| 20 pcs | MX1.25 housing, 4 pins (4P) |
| 20 pcs | MX1.25 housing, 5 pins (5P) |
| 20 pcs | MX1.25 housing, 6 pins (6P) |
| 10 pcs | MX1.25 housing, 7 pins (7P) |
| 10 pcs | MX1.25 housing, 8 pins (8P) |
| 10 pcs | MX1.25 housing, 9 pins (9P) |
| 10 pcs | MX1.25 housing, 10 pins (10P) |
| 180 pcs | 15 cm cable with crimped contacts (6 colours, 30 pcs each) |
| 100 pcs | heat shrink tubing |
| 1 pc | tweezers |

**Not included:** crimping tool, spare loose contacts, soldering iron, heat gun or mating connectors (board-mounted connectors).



*Box with compartments – cables, housings and heat shrink tubing*

# 2. Use

## 2.1 Before you start

- Make sure the devices to be connected really have an **MX1.25** connector. Similar-looking connectors with a different pitch or a different latch (e.g. JST-SH, JST-GH) are not compatible with it.
- Find out the **pin assignment (pinout)** of both devices – from the manufacturer's manual or the markings on the board. The order of the signals (power, ground, data) differs between manufacturers, so a “pin 1 to pin 1” cable is not necessarily correct.
- Choose a housing with the required number of pins and wire colours that keep the wiring clear (e.g. red = power, black = ground).
- Always work on equipment **with the power disconnected**.

**❊ An incorrectly wired cable (power and ground swapped, or power applied to a data pin) can permanently damage the connected devices. Such damage is not a defect of this kit.**

## 2.2 Assembling a connector

① Look at the housing – on one side it has a window with a latch at each position. The crimped contact of the cable has a tab on one side that snaps into the window.

② Turn the contact so that the tab faces the windows of the housing and push it into the respective position until it clicks audibly or noticeably.

③ Pull the wire gently to check that the contact holds. If a contact slips out, insert it again with the correct orientation.

④ Repeat for all positions according to the pinout of the device. A position the device does not use can be left empty.

⑤ Check the finished cable before connecting it – compare the colour order with the pinout of both devices.

## 2.3 Removing a contact from the housing

If a wire is in the wrong position, do not tear the contact out by pulling on the wire. Carefully lift the latch in the housing window with the tip of the tweezers and slide the contact out while pulling gently on the wire. A contact with a bent or damaged tab does not hold reliably in the housing – use another cable from the kit.

## 2.4 Finishing the other end of the cable

- For an MX1.25 – MX1.25 cable, insert the contacts at the other end of the wires into a housing as well.
- To solder to a board or join to another cable, cut off the contact at the other end, strip the wire, tin it and solder it.

- If you are joining a wire to another wire, slide **heat shrink tubing** onto the wire before soldering; once the joint has cooled, move it over the joint and shrink it with heat (a heat gun or carefully with a soldering iron). The tubing insulates the joint and protects it against short circuits.

## 2.5 Safety and storage

- The kit contains **small parts** – keep it out of the reach of children and pets.
- The tip of the tweezers is sharp – work carefully and put the tweezers back in the box after use.
- When soldering and shrinking the tubing, protect yourself against burns and ensure adequate ventilation.
- Store the cables and housings in a dry place in the closed box, away from direct sunlight and sources of heat.
- Do not bend the cables sharply right next to the contact, and do not connect or disconnect the finished cable by pulling on the wires – hold the connector housing.

Chapters 3 and 4 describe the situation under Czech and EU law. If you use the product in another country, the law of the country in which the product is used is decisive.

# 3. Information for the EU and Czech Market

## 3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

| | |
|---|---|
| Importer / responsible person in the EU | Rotorama, s.r.o. |
| Company ID (IČO) | 051 57 692 |
| VAT ID (DIČ) | CZ05157692 |
| Registered office | Okrajová 1351, 674 01 Třebíč, Czech Republic |
| E-mail | info@rotorama.cz |
| Phone | +420 252 252 098 |
| Website | www.rotorama.com |

## 3.2 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

# 4. Warranty and rights arising from defective performance

## 4.1 Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.