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**kwmobile 45358.12\_m001985**

# kwmobile Keystone Module Jacks Instruction Manual

Brand: kwmobile | Model: 45358.12\_m001985

## INTRODUCTION

The kwmobile Keystone Module Jacks are designed to provide a robust and reliable solution for your Ethernet network installations. This set includes 12 CAT6A shielded RJ45 keystone jacks, featuring a full metal housing for enhanced protection and signal integrity. These modules are engineered for easy snap-in installation into standard wall plates or patch panels with keystone blank outlets, supporting high-speed data transmission up to 10 Gbit/s.

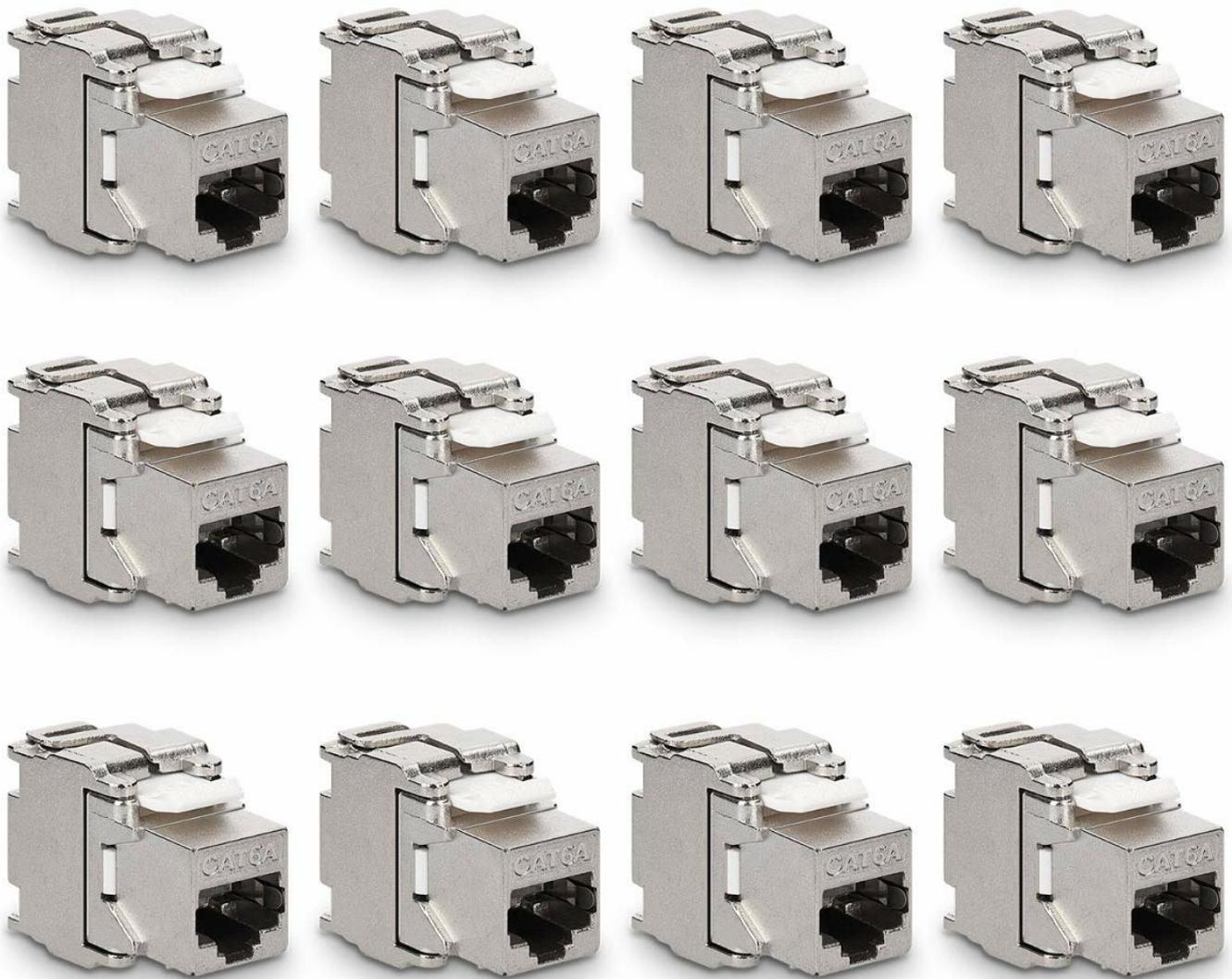


Figure 1: Overview of the kwmobile CAT6A Shielded Keystone Jacks (12-piece set).

## SETUP INSTRUCTIONS

Follow these steps to properly install your kwmobile CAT6A shielded keystone jacks:

1. **Prepare the Cable:** Ensure your Ethernet cable (CAT6A recommended for optimal performance) is properly stripped and ready for termination. The keystone jack supports both T568A and T568B wiring standards. Refer to the color-coded diagram on the keystone jack's IDC (Insulation Displacement Connector) block.



Figure 2: IDC block with T568A/B wiring guide.

2. **Terminate the Cable:** Carefully insert each wire into its corresponding slot on the IDC block according to the chosen wiring standard (T568A or T568B). Use a punch-down tool (not included) to secure the wires. Ensure all wires are fully seated and excess wire is trimmed.
3. **Assemble the Keystone Jack:** Once all wires are terminated, snap the IDC block back into the metal housing of the keystone jack. Ensure it clicks securely into place.

# 12x

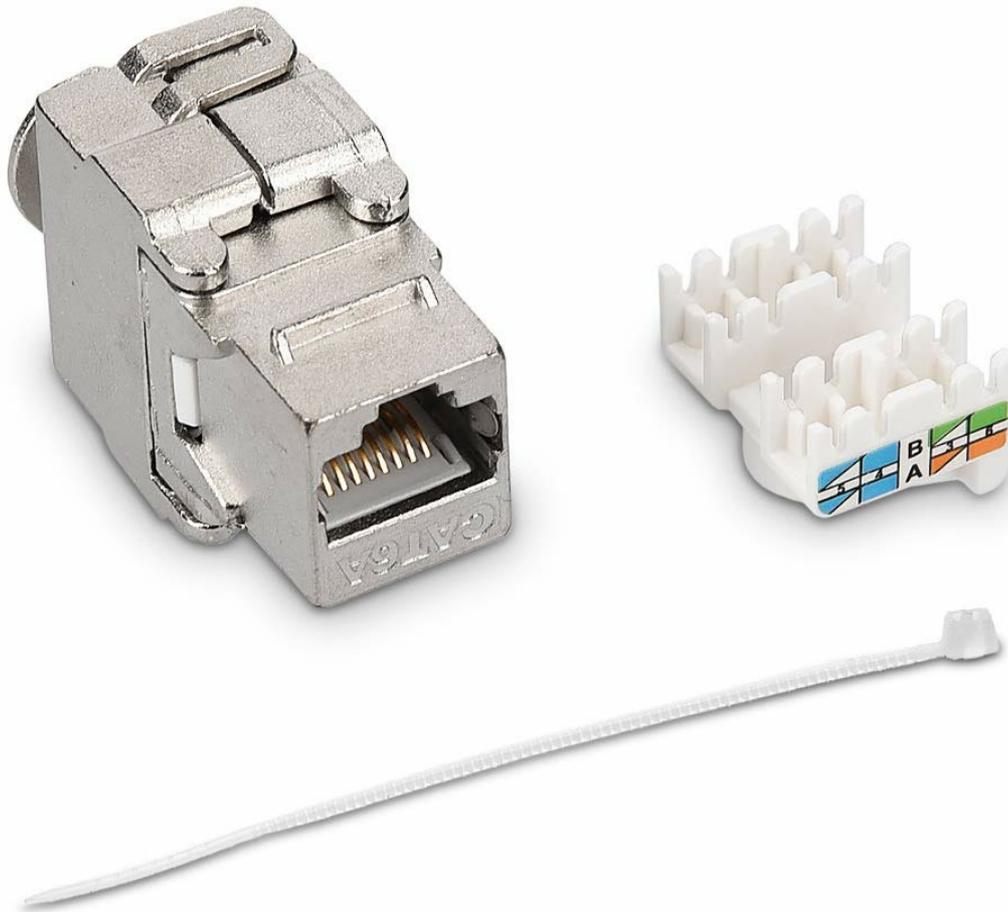


Figure 3: Components of a single keystone jack, including the IDC block.

- 4. Install into Wall Plate or Patch Panel:** The keystone jack is designed for easy snap-in installation. Align the keystone jack with the opening in your standard wall plate or patch panel and push firmly until it locks into place.



Figure 4: Keystone jack installed in a wall plate.

5. **Connect Ethernet Cable:** Once installed, you can connect an RJ45 Ethernet patch cable to the front port of the keystone jack.

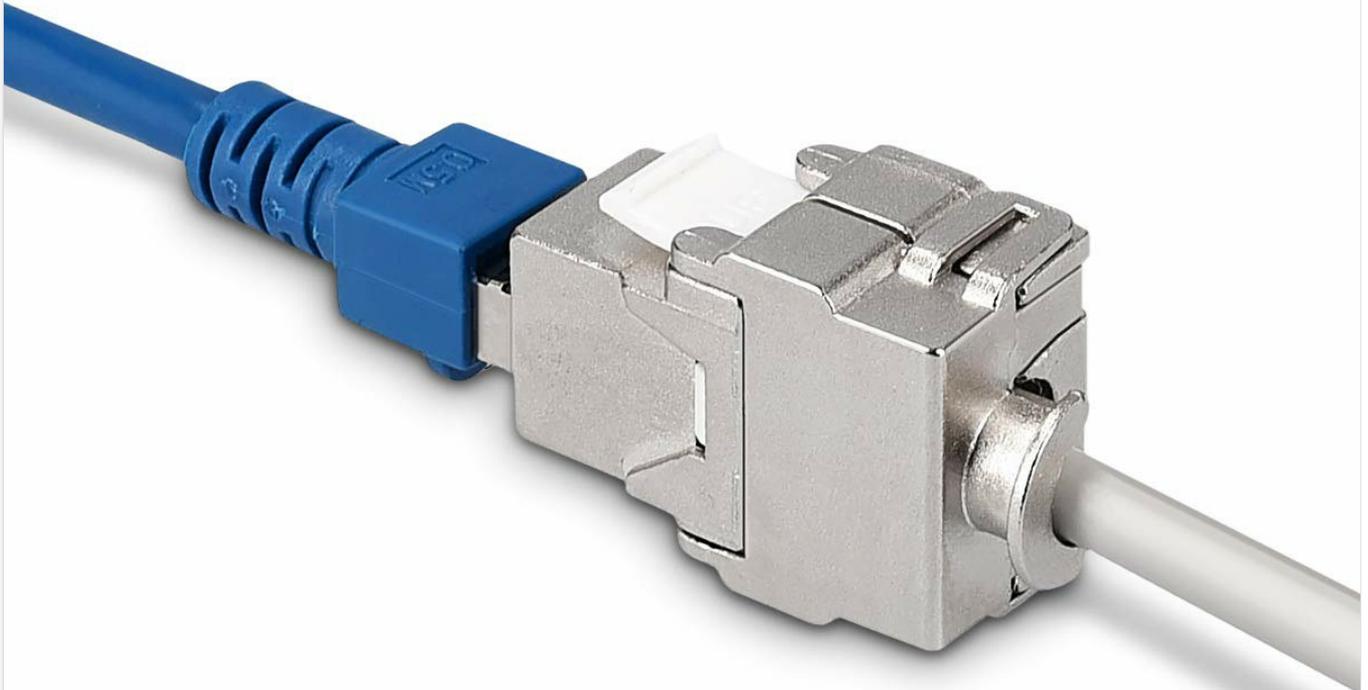


Figure 5: Ethernet cable connected to the keystone jack.

## OPERATING PRINCIPLES

The kwmobile CAT6A shielded keystone jacks are passive network components designed to facilitate high-speed data transmission. Once properly installed and connected, they enable a secure and stable network link.

- **High-Speed Transmission:** These keystone jacks support data transfer rates up to 10 Gbit/s, making them suitable for demanding network environments.
- **Shielded Design:** The full metal housing provides superior shielding, which helps to prevent electromagnetic interference (EMI) and crosstalk, ensuring a clean and reliable signal.
- **Compatibility:** Designed for CAT6A Ethernet cables, they are backward compatible with CAT6 and CAT5e standards, though performance will be limited by the lowest category component in the chain.

## MAINTENANCE

The kwmobile keystone jacks require minimal maintenance due to their robust and passive design.

- **Cleaning:** If necessary, gently wipe the exterior of the keystone jack with a dry, lint-free cloth. Avoid using liquid cleaners or solvents.
- **Connection Check:** Periodically inspect the RJ45 connections to ensure they are secure and free from dust or debris.
- **Environmental Conditions:** Ensure the installation environment is within typical operating conditions for network components, avoiding extreme temperatures or humidity.

## TROUBLESHOOTING

If you encounter issues with your network connection after installing the keystone jacks, consider the following troubleshooting steps:

- **No Network Connection:**
  - Verify that all wires are correctly terminated into the IDC block according to the T568A or T568B standard. Ensure no wires are loose or incorrectly placed.
  - Check that the IDC block is fully seated and locked into the keystone jack's metal housing.
  - Ensure the RJ45 patch cable is securely plugged into both the keystone jack and the network device (e.g., computer, router).
  - Test the cable run with a cable tester to identify any breaks or miswires.
- **Slow Network Speed or Intermittent Connection:**
  - Confirm that you are using CAT6A rated cables throughout your network for optimal 10 Gbit/s performance. Using lower category cables will limit the speed.
  - Ensure the shielded design is properly grounded if your network infrastructure requires it, to maximize EMI protection.
  - Check for any kinks or damage in the Ethernet cables connected to the keystone jack.
  - Verify that the keystone jack is securely seated in the wall plate or patch panel, preventing any movement that could disrupt the connection.
- **Physical Damage:**
  - Inspect the keystone jack for any visible physical damage. If damaged, replace the unit.

## SPECIFICATIONS

Feature	Detail
Product Name	kwmobile Keystone Module Jacks
Model Number	45358.12_m001985
Quantity	12 Pieces
Category	CAT6A
Connector Type	RJ45
Shielding	Shielded Metal Housing
Transmission Rate	10 Gbit/s

Standard Module Size	19.35 x 14.8 mm
Product Dimensions	1.54 x 0.63 x 0.91 inches (per unit)
Weight	10.65 ounces (total for 12 units)
Manufacturer	KW-Commerce

## WARRANTY INFORMATION

kwmobile products are manufactured with quality and durability in mind. For specific warranty terms and conditions applicable to your Keystone Module Jacks, please refer to the warranty information provided with your purchase or visit the official kwmobile website. Typically, kwmobile offers a standard manufacturer's warranty against defects in materials and workmanship.

Keep your proof of purchase for any warranty claims.

## CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your kwmobile Keystone Module Jacks, please contact kwmobile customer service.

- **Online Support:** Visit the official kwmobile website for FAQs, product information, and contact forms. You can often find support resources at [kwmobile Store on Amazon](#).
- **Contact Information:** Refer to the packaging or the kwmobile website for direct contact methods such as email or phone support.

When contacting support, please have your product model number (45358.12\_m001985) and purchase details ready.