

How to assemble the ST terminal box

Article Overview

Assembling the ST terminal box involves mounting the core system, securing the plastic case, connecting adapters and cables, and ensuring proper alignment of sensors and connectors.

Step-by-Step Assembly Instructions

1. Prepare the Components Ensure you have all components of the ST terminal box kit, including the core system board, plastic case, M3 bolts, adapter boards (e.g., DIL24), flexible cables, and any batteries or power adapters provided with the kit . 2. Mount the Core System Place the STWIN core system or main board inside the plastic case. Align the mounting holes on the board with the corresponding positions in the case. Use the supplied M3 bolts to secure the board firmly, ensuring it does not move during handling . 3. Connect Adapter Boards and Sensors Attach any adapter boards, such as the STEVAL-C34DIL24 for DIL24 sensors, using the flexible cables provided. Ensure connectors are fully seated and oriented correctly to avoid damage. If your kit includes environmental or motion sensors, connect them to the designated ports on the core system . 4. Install the Battery and Power Connections Insert the 480mAh LiPo battery into its compartment and connect it to the core system. If using an ST-LINK debugger adapter, connect it according to the instructions to enable programming and debugging . 5. Close the Plastic Case Once all internal connections are verified, carefully place the top cover of the plastic case. Secure it with the remaining M3 bolts, ensuring the case is fully closed and the board is protected from dust or mechanical stress . 6. Optional Wall or Surface Mounting For fiber optic ST terminal boxes used in FTTH networks, the box can be mounted on an indoor wall or terrace. Use appropriate screws and anchors for the surface type, and ensure the box is level and stable . 7. Verify Connections and Functionality After assembly, check that all cables are connected correctly, sensors are recognized, and the system powers on. For networked ST boxes, ensure proper cabling for ST-Bus or other interfaces as required .

Tips and Safety

- Handle the core system and sensors with care to avoid static damage.
- Do not overtighten screws to prevent cracking the plastic case.
- Follow manufacturer guidelines for battery charging and connection.
- Keep the assembly area clean to avoid dust or debris entering the box. By following these steps, the ST terminal box will be properly assembled, ready for sensor integration, programming, and deployment in IoT or industrial applications .



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Mount the terminal on a flat surface that is parallel to the ground but visible to the sky, for proper tion of the internal

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Step - 6: Install the terminal block assembly by aligning the two ribs on the upper portion of the terminal block assembly with the

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Terminal box, terminal boxes, terminal boxes, terminal box

Terminal boxes are suitable for the following areas of application, for example: Wiring technology, measurement and control

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ST Fiber termination box | FIBEYE

ST Connector Compatibility: This termination box is compatible with ST connectors.
Easy Installation: Fibeye 8 Cores ST terminal

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AGN 037 - Terminal Arrangements

The terminal box is designed to support the fitted terminal-bars or terminals, transformers, load cables and auxiliary terminal box.

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