



[Manuals.plus](#) /

> [Massoth](#) /

> Massoth DiMAX Digital Central 1210Z Instruction Manual

Massoth 1210Z

Massoth DiMAX Digital Central 1210Z Instruction Manual

Your comprehensive guide to setup, operation, and maintenance.

1. INTRODUCTION

The Massoth DiMAX Digital Central 1210Z is a sophisticated digital control unit designed for model railway systems. It serves as the central command station, managing power distribution, locomotive control, and accessory operation within your layout. This manual provides essential information for the safe and effective use of your DiMAX Digital Central 1210Z, covering initial setup, operational procedures, maintenance guidelines, and troubleshooting tips. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Adhering to safety precautions is crucial for preventing damage to the device and ensuring personal safety.

- Always disconnect the power supply before making any connections or disconnections to the unit.
- Ensure the power supply used is compatible with the DiMAX Digital Central 1210Z's voltage and current requirements.
- Do not expose the unit to moisture, extreme temperatures, or direct sunlight.
- Avoid placing the unit near heat sources or in poorly ventilated areas.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep the unit out of reach of children and pets.

3. SETUP

Follow these steps to set up your Massoth DiMAX Digital Central 1210Z for the first time.

3.1 Unboxing and Inspection

Carefully remove the DiMAX Digital Central 1210Z from its packaging. Inspect the unit for any signs of physical damage that may have occurred during shipping. If any damage is found, contact your retailer immediately.

3.2 Connecting the Unit

The DiMAX Digital Central 1210Z features a robust design with a clear front panel for operation and indicators.



Figure 1: Front view of the Massoth DiMAX Digital Central 1210Z.

The Massoth DiMAX Digital Central 1210Z unit features a blue and silver casing. The front panel includes a blue LCD display, three red control buttons, and indicator LEDs for Power, Activity, Booster, and Stop. A control bus port is also visible on the right side.

1. **Power Connection:** Connect a suitable power supply (not included) to the designated power input port on the rear of the unit. Ensure the power supply meets the required voltage and current specifications (e.g., 220V AC input, capable of supplying up to 12A output).
2. **Track Connection:** Connect the track output terminals of the DiMAX Digital Central 1210Z to your model railway track. Observe correct polarity.
3. **Control Bus Connection:** If using additional Massoth components or accessories, connect them to the "CONTROL BUS" port on the front panel using appropriate cables.

4. OPERATING INSTRUCTIONS

This section details the basic operation of your DiMAX Digital Central 1210Z.

4.1 Powering On and Initial Display

Once all connections are secure, connect the power supply to the mains. The unit will power on, and the blue LCD display will illuminate. The display typically shows operational information such as:

- **Fahrbetrieb:** Indicates operational mode (e.g., driving mode).
- **Ist 8.0A MAX:12A:** Shows the current actual current draw (8.0A in this example) and the maximum permissible current (12A).
- **AZ: 0.4s Ug1:220:** May indicate an acceleration/deceleration time (0.4s) and the track voltage (220V, likely referring to the input voltage or a derived track voltage).
- **STOP Menü:** Indicates the current state or an option to access the stop menu.

4.2 Indicator LEDs

The front panel features several indicator LEDs:

- **POWER:** Illuminates when the unit is receiving power.
- **ACTIVITY:** Flashes or illuminates to indicate data communication or system activity.
- **BOOSTER:** Indicates the status of the integrated booster or external booster connection.

- **STOP:** Illuminates when the emergency stop function is active or the system is in a stopped state.

4.3 Control Buttons

The three red buttons below the display are used for navigation and control within the unit's menu system. Their specific functions will vary depending on the current menu context. Typically, they are used for:

- Menu navigation (up/down/select).
- Adjusting settings.
- Activating specific functions.

Refer to the on-screen menus for specific button assignments during operation.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your DiMAX Digital Central 1210Z.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents. Ensure no dust accumulates in ventilation openings.
- **Storage:** When not in use for extended periods, store the unit in a dry, dust-free environment at moderate temperatures.
- **Firmware Updates:** Periodically check the Massoth official website for available firmware updates. Updates can improve performance, add new features, or resolve known issues. Follow the manufacturer's instructions carefully when performing firmware updates.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply connected, faulty power supply, or loose connection.	Check power cable connection. Ensure power supply is plugged into a working outlet and is providing correct voltage. Try a different power supply if available.
Display is blank or unreadable.	Power issue, or unit malfunction.	Verify power connection. If power LED is on but display is blank, try power cycling the unit. If problem persists, contact support.
No control over locomotives/accessories.	Incorrect track connection, short circuit on track, or communication issue.	Check track connections for correct polarity and secure contact. Inspect track for short circuits (e.g., metal debris). Ensure control bus connections are secure.
"STOP" LED is illuminated.	Emergency stop activated, or short circuit detected on the track.	Check for short circuits on the track. Deactivate emergency stop if it was manually engaged. Resolve any track issues before resuming operation.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Massoth customer support.

7. SPECIFICATIONS

Key technical specifications for the Massoth DiMAX Digital Central 1210Z:

- **Model:** DiMAX Digital Central 1210Z
- **Brand:** Massoth
- **Manufacturer Reference:** 7777
- **ASIN:** B01G1SQLE8
- **Maximum Output Current:** 12A (as indicated on display)
- **Input Voltage:** Typically 220V AC (as indicated on display, Ug1:220)
- **Item Weight:** 999 Grams
- **Batteries Included:** No
- **Educational Objective:** Counting and spatial awareness (as per product data)
- **First Available Date:** 4 May 2021

8. WARRANTY AND SUPPORT

Specific warranty terms and conditions for the Massoth DiMAX Digital Central 1210Z are typically provided with your purchase documentation or can be found on the official Massoth website. Please retain your proof of purchase for warranty claims.

For technical support, service, or further inquiries, please visit the official Massoth website or contact their customer service department directly. Contact information is usually available on their website or in the product packaging.



© 2024 Massoth. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.