MAIMEIMI B0FJWXD5NF

MAIMEIMI Motorcycle Speedometer Cluster User Manual

Model: B0FJWXD5NF

1. INTRODUCTION

This manual provides comprehensive instructions for the MAIMEIMI Motorcycle Speedometer Cluster. This all-in-one digital dashboard integrates essential motorcycle data, including speed, RPM, gear position, fuel level, indicator lights, alarms, and time display. Designed for 8-12V systems, it offers enhanced safety and convenience for riders.

2. KEY FEATURES

- **All-in-One Dashboard:** Integrates speed, RPM, gear position, fuel level, indicator lights, alarms, and time display.
- **Wide Display Range:** Speed (up to 199 MPH/KMH), RPM (0-12K), odometer (99999 miles/KM), trip meter (999.9 miles/KM), 5-gear indicator, turn signals, high beam, neutral, engine fault indicators, low oil/voltage alarms.
- **Waterproof & Auto-Brightness:** Anti-glare LCD display with ambient light sensor for automatic brightness adjustment. Superior waterproof design for reliable use in various weather conditions.
- **Mechanical Installation:** Utilizes a mechanical speed gear, simplifying setup without external speed sensors.
- **Calibration Options:** Adjustable for tire circumference, RPM, and fuel sensor settings (compatible with 2-wire or 3-wire systems).

3. DISPLAY INTERFACE OVERVIEW

The speedometer cluster features a clear LCD display providing all necessary riding information at a glance. Refer to the diagram below for an explanation of each display element.

Figure 3.1: Display Interface. This image illustrates the various indicators on the speedometer cluster, including time, turn signals, speed, RPM, gear, high beam, neutral, fuel level, odometer, trip meter, and voltage.

Time: Displays current time.

Turn Left/Right Indicators: Illuminates when turn signals are active.

Speed: Shows current speed in MPH or KMH.

RPM: Displays engine revolutions per minute.

Gear: Indicates current gear (N for Neutral, 1-5 for gears).

High Beam: Illuminates when high beam is active.

Fuel Level: Bar graph indicating fuel tank level.

Odometer (ODO): Total distance traveled.

Trip Meter (TRIP): Resettable trip distance.

Volt: Displays current battery voltage.

4. Installation Guide

4.1 Pre-Installation Checks

Before installation, ensure your motorcycle's electrical system is compatible with an 8-12V input. Incorrect voltage can damage the speedometer. If you are unsure about the installation process, consult a professional.

4.2 Wiring Diagram

Connect the speedometer to your motorcycle's electrical system according to the following wiring diagram. Ensure all connections are secure and properly insulated.

WIRING DIAGRAM

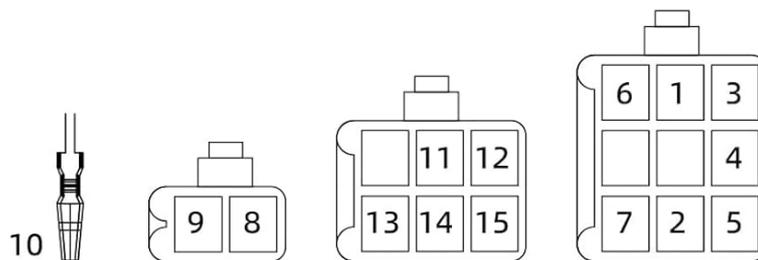| NO	Color	Function	pattern
1	black	positive pole	+
2	green	negative pole	-
3	lightblue	dextroversion	➡
4	orange	left-handed rotation	⬅
5	Yellow/black	rotation speed	S
6	Green/red	slot	N
7	blue	distancelight	≡D
8	Negative pole of fuel gauge	negative pole	-
9	Yellow/white	Oil quantity signal	⛽
10	red	Battery positive pole	+
11	pink	1st gear	1
12	Blue/red	Second gear	2
13	Green/black	Third gear	3
14	Yellow/red	Fourth gear	4
15	Brown/Yellow	5th gear	5

Figure 4.1: Wiring Diagram. This diagram details the color-coded wires and their functions for connecting the speedometer cluster to the motorcycle's electrical system.

Wiring Connections

NO	Color	Function	Pattern
1	Black	Positive Pole	+

NO	Color	Function	Pattern
2	Green	Negative Pole	-
3	Light Blue	Dextroversion (Right Turn Signal)	→
4	Orange	Left-Handed Rotation (Left Turn Signal)	←
5	Yellow/Black	Rotation Speed (RPM Signal)	S
6	Green/Red	Slot (Neutral Gear Signal)	N
7	Blue	Distance Light (High Beam)	
8	Negative Pole of Fuel Gauge	Negative Pole	-
9	Yellow/White	Oil Quantity Signal	
10	Red	Battery Positive Pole	+
11	Pink	1st Gear	1
12	Blue/Red	Second Gear	2
13	Green/Black	Third Gear	3
14	Yellow/Red	Fourth Gear	4
15	Brown/Yellow	5th Gear	5

4.3 Mechanical Speed Connector

This speedometer connects directly to your motorcycle's original mechanical meter teeth, eliminating the need for a separate speed sensor. Ensure a secure connection for accurate speed readings.

Figure 4.2: Mechanical Speed Connector. This image shows the mechanical speed connector on the back of the speedometer, designed to interface with the motorcycle's existing mechanical speed gear.

5. OPERATING INSTRUCTIONS

5.1 Touch-Sensitive Button

The speedometer features a touch-sensitive button (labeled "ADJ") located on the back, typically on the right small corner of the instrument panel. Apply normal pressure to interact with the device.

TOUCH-SENSITIVE BUTTON

Just apply normal pressure and the device will respond accordingly

Figure 5.1: Touch-Sensitive Button. This image highlights the location and function of the "ADJ" touch-sensitive button on the speedometer's rear panel.

5.2 Basic Operation and Settings

The "ADJ" button is used for various settings and adjustments. The functionality changes based on whether you perform a short press or a long press.

ONE-CLICK SETTING & SIMPLE OPERATION

Touch button (on the back of the right small corner of the instrument panel) logic:

Unlock: Within one minute of starting up, in neutral or idle mode, press and hold the ADJ touch button for 5 seconds. When the decorative strip flashes, release it. When the decorative strip goes out, it is considered unlocked successfully and parameter adjustments can be made.

model	Long press	Short press
TOTAL	Clock adjustment	Switch to TRIP
TRIP	Small mileage clearing	Switch to TOTAL
clock	Lock in hours or minutes, enter the selection of kilometers and miles	Adjust the hours and minutes
Kilometers, Miles	Lock in kilometer or mile mode; Enter the selection of the fuel gauge	Switching between kilometers and miles
fuel gauge	Lock the fuel gauge type and enter the speed ratio selection	Selection of Two Line or Three Line Fuel Gauge
Speed ratio adjustment mode	Locking speed ratio; Enter the wheel outer diameter size adjustment	1, /2, /4, /8, ; *1,*2; *4Cyclic regulation
Adjustment of wheel outer diameter size	Lock the circumference of the wheels in units, tens, hundreds, and thousands; Enter the setting of pulse count	Adjust the circumference of the wheel in units, tens, hundreds, and thousands in sequence
Setting of pulse number	Lock the numerical value of several bits or ten bits of the pulse	Set the number of pulse bits or ten bits

In any state, do not operate for 5 seconds, save the data and exit the adjustment mode.

Figure 5.2: One-Click Setting & Simple Operation. This image provides a table detailing the functions of long press and short press actions on the ADJ button for various settings.

ADJ Button Functions

Mode	Long Press	Short Press
Unlock	Within one minute of starting up, in neutral or idle mode, press and hold the ADJ touch button for 5 seconds. Release it when the decorative strip flashes. Parameter adjustments can then be made.	
TOTAL	Clock adjustment	Switch to TRIP
TRIP	Small mileage clearing	Switch to TOTAL
Clock	Lock in hours or minutes, enter the selection of kilometers and miles	Adjust the hours and minutes
Kilometers, Miles	Lock in kilometer or mile mode; Enter the selection of the fuel gauge	Switching between kilometers and miles

Mode	Long Press	Short Press
Fuel Gauge	Lock the fuel gauge type and enter the speed ratio selection	Selection of Two Line or Three Line Fuel Gauge
Speed Ratio Adjustment Mode	Lock speed ratio; Enter the wheel outer diameter size adjustment	1, /2, /4, /8, ; *1, *2, *4 Cyclic regulation
Adjustment of Wheel Outer Diameter Size	Lock the circumference of the wheels in units, tens, hundreds, and thousands; Enter the setting of pulse count	Adjust the circumference of the wheel in units, tens, hundreds, and thousands in sequence
Setting of Pulse Number	Lock the numerical value of several bits or ten bits of the pulse	Set the number of pulse bits or ten bits
In any state, do not operate for 5 seconds to save data and exit the adjustment mode.		

6. CALIBRATION AND ADVANCED SETTINGS

Accurate readings depend on proper calibration. The speedometer allows for adjustments to match your motorcycle's specific characteristics.

- **Tire Circumference Adjustment:** Adjust the wheel outer diameter size (C0000-C9999) to ensure accurate speed readings. This setting is crucial for matching the speedometer to your specific tire size.
- **RPM Calibration:** Fine-tune the RPM signal for precise engine speed display.
- **Fuel Sensor Settings:** Configure the fuel gauge for compatibility with either 2-wire or 3-wire fuel sensor systems.
- **Pulse Number Setting:** Adjust the pulse count for accurate data interpretation.

Refer to the "ADJ Button Functions" table in Section 5.2 for detailed steps on how to access and modify these settings.

7. WATERPROOF PERFORMANCE

The MAIMEIMI Motorcycle Speedometer Cluster is designed with superior waterproof capabilities, ensuring reliable operation in various weather conditions, including rain and damp environments. This protects the internal components from moisture damage and maintains display visibility.

Figure 7.1: Waterproof Design. The image shows the speedometer installed on a motorcycle in rainy conditions, demonstrating its waterproof design.

8. PRODUCT SPECIFICATIONS

Detailed specifications for the MAIMEIMI Motorcycle Speedometer Cluster.

Figure 8.1: Product Dimensions. This image provides a visual representation of the speedometer's dimensions in millimeters and inches.

Technical Specifications

Specification	Value
Brand	MAIMEIMI
Model	B0FJWXD5NF
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
Product Dimensions (L x W x H)	7.68 x 4.72 x 3 inches (195 x 120 x 76 mm approx.)
Item Weight	1.5 Pounds (0.68 kg)
Thread Type	Mechanical
Operating Voltage	8-12V

Specification	Value
Speed Display Range	0-199 MPH/KMH
RPM Display Range	0-12,000 RPM
Odometer Display Range	0-99,999 miles/KM
Trip Meter Display Range	0-999.9 miles/KM

9. WHAT'S IN THE BOX

The package includes the following items:

- MAIMEIMI Motorcycle Speedometer Cluster
- Mounting Brackets
- User Manual (electronic copy available upon request)

10. TROUBLESHOOTING

This section addresses common issues and provides solutions.

- **Issue:** Display is not turning on or is intermittent.
  Solution: Verify voltage compatibility (8-12V) and check all wiring connections as per the wiring diagram (Section 4.2). Ensure the positive and negative poles are correctly connected.

- **Issue:** Speed or RPM readings are inaccurate.
  Solution: Ensure the mechanical speed connector is properly engaged with the motorcycle's speed gear (Section 4.3). Calibrate the tire circumference and RPM settings as described in Section 6.

- **Issue:** Fuel gauge is not displaying correctly.
  Solution: Check the fuel sensor wiring. Adjust the fuel gauge settings for either 2-wire or 3-wire systems in the parameter settings (Section 5.2, Fuel Gauge).

- **Issue:** Difficulty understanding parameter settings.
  Solution: Refer to the "ADJ Button Functions" table in Section 5.2 for detailed instructions on long press and short press operations. Practice navigating the settings in a stationary, safe environment.

For persistent issues or complex installation challenges, it is recommended to seek support from the manufacturer or a qualified professional with experience in motorcycle electronics.

11. SUPPORT AND CONTACT INFORMATION

If you require further assistance, have questions, or need an electronic copy of this manual, please contact MAIMEIMI customer support. Always verify voltage compatibility (8-12V) to avoid damage during installation.
For installation issues, seek our support or a professional with experience. This motorcycle dashboard accessory demands careful handling.
Manufacturer: MAIMEIMI
For the latest support information, please visit the official MAIMEIMI store on Amazon: MAIMEIMI Store