

MX-G20 MKII

GPS Receiver For Nikon

Statement

Please read this manual carefully before using and strictly operate and store in accordance with the instructions. Please save it for your future reference. If the user manual cannot help you to solve certain problems, please ask your retailer for help or email us: info@marrex.cn.

Cautions

- Do not use the unit under water, and don't expose it to rain. Please store it in a cool, dry place.
- Please charge the unit strictly according to related rules. Otherwise, damage might be caused to the battery.
- Please do not move it from overheated to supercooled conditions frequently, as well as keep away from heat sources such as heater and oven.
- Please be careful to install the MX-G10M MKII gently to avoid damage to the device or camera.
- Please turn off the power when left unused.

Product Introduction

General Introductions

The Marrex MX-G20 MKII is a new version of GPS receiver specially designed for Nikon DSLR cameras. It is very useful for photographers to organize stock photos. With the MX-G20 MKII, figuring out when, where and why a certain photo was taken is not a problem anymore. When connected to the camera and positioned successfully, the GPS information (longitude, latitude, elevation and Coordinated Universal Time) will be recorded as EXIF data. The MX-G20 MKII is equipped with a built-in Li-ion battery and LED indicator. In addition, the MX-G20 MKII uses a highly sensitive antenna and upgraded GPS chipset to enhance the speed of positioning.

Highlights

- GPS data-hold

If the GPS signal is lost, the MX-G20 MKII will automatically reuse the last valid GPS information for tagging the current photo. Once the receiver is turned off, the stored GPS data will be lost.

- Built-in Li-ion battery

A built-in rechargeable battery can continuously run for up to 6 hours.

Tip: *The MX-G20 MKII will automatically suck power from the camera when it is in low battery.*

- Fast acquisition

Highly sensitive antenna and upgraded GPS chipset accelerate the satellite searching speed.

In good weather and open sky, the unit takes 60 seconds for a cold start, 15 seconds for a warm start, and 1 second for a hot start.

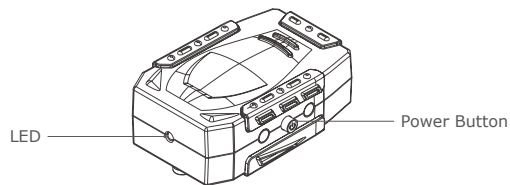
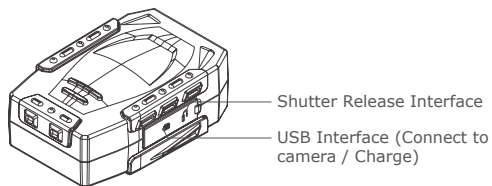
- 3-axis electronic compass

Provide accurate azimuth (Range 0-359°).

Specifications

Channels	66 capturing channels, 22 tracking channels
Tracking sensitivity	-163dBm
Capturing sensitivity	-146dBm
Positioning accuracy	3m CEP50 without SA, 2.5m SBAS
Data format	NMEA 0183
Battery	900mAh rechargeable Li-ion battery
3-axis electronic compass	Azimuth range 0-359°
Dimension (L×W×H)	75mm x 50mm x 31.5mm
Weight	Approx. 65g (2.3 oz.)

Product Structure



Operation

Charge

Please turn the MX-G20 MKII off. Connect the GPS receiver to a power source (travel adapter, a computer or any other USB port which provides standard 5 volts) with supplied USB cable or to your camera with N1/N3 cable. Please short press the power button to enter charging mode, the LED will blink red. When the GPS unit has been fully charged, the LED turns to solid green.

Please note:

1. *For successful charging, please do not long press the power button, otherwise it will enter the working mode.*
2. *Charging from a computer will slower charging speed.*
3. *For long time shooting, please take a power bank with the supplied USB cable with you.*

Power On and Off

Press the power button  for more than 3 seconds to turn the MX-G20 MKII on.

Press the power button  for more than 3 seconds to turn the MX-G20 MKII off.

LED Status

Charging Mode	Blinking Red	Charging
	Solid Green	Fully charged
Working Mode	Blinking Green	Acquiring satellites
	Solid Green	Satellite connection successful
	Solid Red	Low battery

Setup Guide

1. Turn the camera off.
2. Press the power button for more than 3 seconds to turn on the GPS receiver. The LED on the GPS receiver will blink green, indicating that it is searching for satellites. When a steady satellite signal is captured, the LED will stop blinking.

It takes about 60 seconds to start the receiver up when cold, 15 seconds if you just shut it down then restart, and 1 second to wake it up. For successful positioning, you must be outdoors with good weather and a sky unobstructed by tall buildings.

3. Mount the MX-G20 MKII to the camera's hot shoe, or secure it to your camera's neck strap or neck strap lug with the supplied strap and clip, leaving the shoe free for use with a flash or other device.
4. Select the correct camera connecting cable (N1 or N3) for your camera. The MX-G20 MKII GPS receiver is compatible with Nikon DSLR cameras with a GPS setup menu including but not limited to the following:

N1 (Ten-Pin) Cable: Nikon D2X, D2XS, D2HS, D3-series, D4, D4S, D200 D300-series, D700, D800, D800E, D810, D810a

N3(Flat) Cable: Nikon Df, D90, D600, D610, D750, D3100, D3200, D3300, D5000, D5100, D5200, D5300, D5500, D7000, D7100, D7200, COOLPIX P7800, P7700

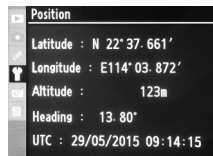
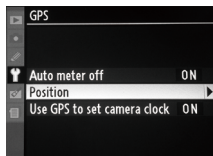
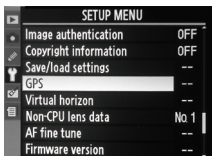
For cameras with a ten-pin remote terminal on the front of their bodies:

- Insert the ψ end of the N1 USB cable into the data port of the MX-G20 MKII. When inserting the cable, please be sure that the end is oriented correctly and do not use force.
- The pins on the end of the N1 cable should line up with the holes of the ten-pin remote terminal on the your camera's body, please gently insert the cable and tighten the locking nut.

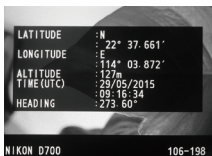
For cameras with a rubber accessory terminal cover on the side of their bodies:

- Insert the ♪ end of the N3 cable into the data port of the MX-G20 MKII. When inserting, please be sure that the end is oriented correctly and do not use force.
- Insert the ▲ end of the N3 cable into the accessory port under the terminal cover on the side of the camera body. When inserting, please be sure that the end of N3 is oriented correctly and do not use force.

5. Turn on your camera.
6. View GPS position on the camera
Menu-->SETUP MENU-->GPS-->Position



7. Once you begin shooting, the geotag information of each photo will be displayed on the camera's LCD.



8. Geotag information can be viewed on a computer when images are uploaded to photo sharing sites like Nikon's my Picturetown and Flickr, or opened in imaging software, such as Nikon ViewNX2, Picasa, ACDsee, GEOsetter, Opanda EXIF, Lightroom, FSviewer.

Warranty

Marrex Technology Co., provides a one-year warranty under normal use and lifelong paid maintenance from the date you purchase this product.

Marrex Technology will repair or replace the product under warranty for free during the one-year valid period, but customers should pay for shipping and insurance charges for returning the product to Marrex Technology.

This warranty only applies where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts or workmanship during the warranty period.

This warranty does not cover:

- Any damage caused by human factors, including using the products in abnormal conditions and operating the device in ways not in accordance with the user manual.
- Any damage caused by incorrect use or poor maintenance, or when persons not authorized by Marrex Technology have carried out alterations or repairs.
- Force majeure events such as fire, flood, lightning strike, earthquake.
- Customers who cannot show a valid invoice.

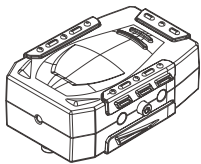
Marrex Technology reserves all the rights for the ultimate interpretation.

Compatibility

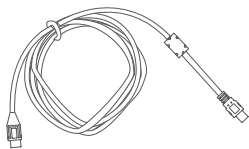
Nikon D4, D4s, D3-series, D300-series, D2X, D2XS, D2HS, Df, D810, D810a, D800, D800E, D750, D700, D600, D610, D200, D7200, D7100, D7000, D5500, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D90, COOLPIX P7800, P7700

Packing List

- MX-G20 MKII main unit



- USB cable



- N1 cable



- N3 cable



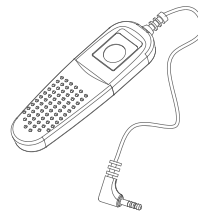
- A clip (To attach the MX-G20 MKII to your camera strap.)



- Hanging strap



- Wired shutter release



- User manual

- Warranty card

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