

## Micnova GPS-N

# Micnova GPS-N Plus DSLR Camera GPS Unit User Manual

Model: GPS-N

## 1. INTRODUCTION

This manual provides comprehensive instructions for the Micnova GPS-N Plus DSLR Camera GPS Unit. This device is designed to integrate seamlessly with compatible Nikon DSLR cameras, enabling the recording of precise geotagging information directly onto your image files. By utilizing this GPS unit, photographers can automatically embed location data, including latitude, longitude, altitude, and Coordinated Universal Time (UTC), into the metadata of their photographs. This feature is particularly useful for travel photography, landscape photography, and any scenario where geographical context is important for image organization and recall.

## 2. PRODUCT OVERVIEW

The Micnova GPS-N Plus is a compact and user-friendly GPS receiver specifically engineered for Nikon DSLR cameras. It attaches to the camera's hot shoe and connects via a dedicated cable to the camera's accessory terminal. Its primary function is to acquire satellite signals and record geographical coordinates and time data, which are then embedded into the EXIF data of each photograph taken. This eliminates the need for manual geotagging and enhances the utility of your photographic archives. The unit features low power consumption and a quick startup time.



Image: The Micnova GPS-N Plus unit shown with its various connection cables and remote shutter release.

### 3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Micnova GPS-N Plus GPS Receiver Unit
- GPS Control Cable (N1 type for specific Nikon models)
- Connection Line (N3 type for specific Nikon models)
- Remote Shutter Release Cable
- Strap Clip / Hot Shoe Mount Adapter
- User Manual



Image: All components included in the Micnova GPS-N Plus package, laid out for inspection.

## 4. SETUP

Follow these steps to set up your Micnova GPS-N Plus with your Nikon DSLR camera:

1. **Identify Your Camera's Port:** Determine whether your Nikon camera uses an N1 or N3 type accessory terminal. Refer to the compatibility section or your camera's manual.
2. **Select the Correct Cable:** Choose the appropriate GPS Control Cable (N1 or N3) from the package that matches your camera's port.
3. **Attach the GPS Unit:**
  - **Hot Shoe Mounting:** Slide the GPS unit onto your camera's hot shoe until it clicks into place.
  - **Strap Clip Mounting:** Alternatively, attach the GPS unit to your camera strap using the provided strap clip. This option is useful if you need to use the hot shoe for other accessories (e.g., an external flash) or prefer to reduce the unit's profile on the camera body.



#### 4. Connect the Cable:

- Connect one end of the selected GPS Control Cable to the GPS-N Plus unit's USB Cable Input port.
- Connect the other end of the cable to your Nikon camera's accessory terminal. Ensure a secure connection.

5. **Power On:** Locate the On/Off switch on the GPS unit and slide it to the "ON" position.

6. **Initial Satellite Acquisition:** The unit will begin searching for satellite signals. This process may take up to 45 seconds or a few minutes depending on your location and environmental conditions. The indicator light on the GPS unit will provide status feedback.

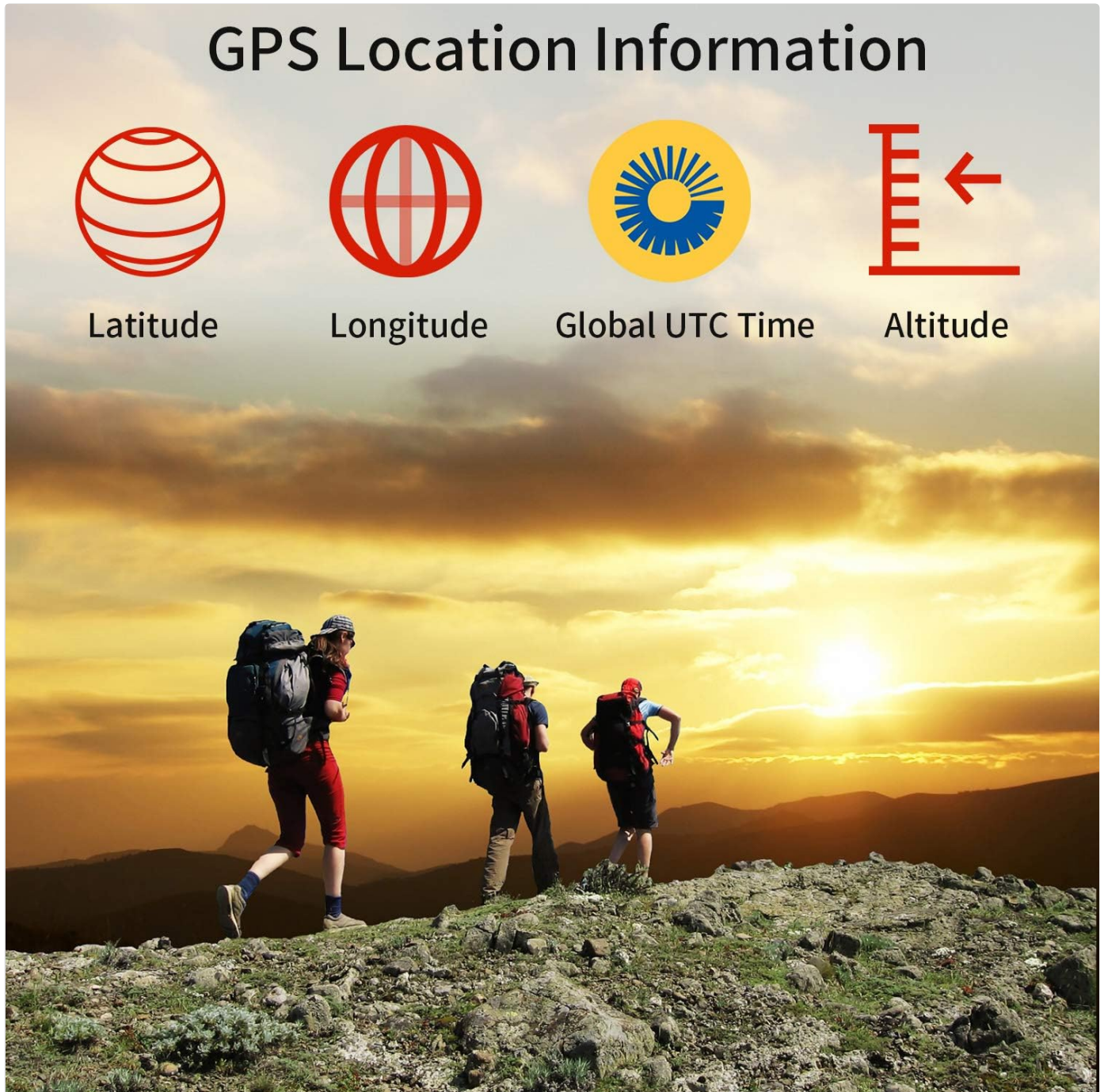


Image: The Micnova GPS-N Plus unit properly connected to a Nikon D3200 camera, demonstrating the hot shoe mount and cable connection.

## 5. OPERATING INSTRUCTIONS

Once the Micnova GPS-N Plus is set up and has acquired a satellite signal, it will automatically begin recording location data.

- **Automatic Geotagging:** With the GPS unit powered on and connected, every photo you take with your compatible Nikon

camera will have its EXIF data automatically updated with the current latitude, longitude, altitude, and UTC time.

- **Indicator Light:** The GPS unit features an indicator light. A solid green light typically indicates a successful satellite lock and active geotagging. A blinking light may indicate that the unit is searching for satellites or has lost connection.
- **Remote Shutter Release:** The included remote shutter release cable can be connected to the GPS unit's Shutter Release Input port. This allows for remote camera triggering, which is useful for long exposures or situations where camera shake needs to be minimized.
- **Power Consumption:** The GPS unit draws power from the camera battery. While designed for low power consumption, prolonged use will impact your camera's battery life. It is recommended to switch the GPS unit to "OFF" when not in use, especially overnight, to prevent battery drain.

## Detailed Location on Image

Record latitude, longitude, altitude and UTC (Coordinated Universal Time) information.



Image: Detailed view of the Micnova GPS-N Plus highlighting its On/Off switch, Shutter Release Input, USB Cable Input, Indicator light, and Attaching Mount.



# Nikon GPS Receiver

Perfect Nikon DSLR accessory to add geotags on your images



Image: Visual representation of the GPS location information recorded by the unit, including Latitude, Longitude, Global UTC Time, and Altitude.

## 6. COMPATIBILITY

The Micnova GPS-N Plus is compatible with a wide range of Nikon DSLR cameras. Compatibility depends on the type of accessory terminal your camera uses (N1 or N3).

### N1 Cable Compatibility:

- Nikon D4, D3, D3S, D3X
- Nikon D800, D800E, D700, D300, D300S
- Nikon D200, D100, D2Xs
- And other Nikon cameras with an N1 type input.

### N3 Cable Compatibility:

- Nikon D90, D600, D610, D3100, D3200, D3300

- Nikon D5100, D5200, D5300, D5500, D5600
- Nikon D7000, D7100, D7200, D7500
- Nikon P7700, P7800, Coolpix A
- And other Nikon cameras with an N3 type input.

**Important Note:** If your camera's input matches either the N1 or N3 connector, it is compatible. Some newer Nikon Z series cameras may also be compatible, as reported by users, but always verify your camera's accessory port type.

## Wide Compatibility



...Included but not limited...



...Included but not limited...



**Tips:** As long as the input of your camera matches N1 or N3 connector, It's compatible.

Image: Visual guide to N1 and N3 cable compatibility with various Nikon DSLR camera models.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your Micnova GPS-N Plus, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid using liquid cleaners or solvents, which can damage the electronics.
- **Storage:** Store the GPS unit in a cool, dry place away from direct sunlight and extreme temperatures.

- **Cable Care:** The connection cables are delicate. Handle them with care. Avoid bending them sharply or pulling on the cables themselves when disconnecting. Always grasp the connector ends. Disconnect the cable from the camera when stowing the camera to prevent damage.
- **Water Resistance:** The unit is noted as waterproof, but it is best practice to avoid prolonged exposure to heavy rain or submersion.

## 8. TROUBLESHOOTING

If you encounter issues with your Micnova GPS-N Plus, try the following troubleshooting steps:

**1. GPS Not Working / Blinking Light:**

- Ensure the GPS unit is switched "ON".
- Check that the cable is securely connected to both the GPS unit and the camera's accessory port. Wiggle the connecting cable gently to ensure good contact.
- Move to an open area with a clear view of the sky to improve satellite signal reception.
- Power off the GPS unit, wait a few seconds, then power it back on. Allow time for it to reconnect to satellites.
- Power off your Nikon camera, wait a few seconds, then power it back on.
- If the "GPS" indicator on your Nikon display is blinking, it indicates the camera is not receiving data from the GPS unit.

**2. Rapid Battery Drain:**

- Ensure the GPS unit is switched "OFF" when not actively in use, especially when the camera is stored or not being used for extended periods. The unit draws power from the camera even when idle if left on.

**3. Cable Damage:**

- The cable connectors can be fragile. Handle them with extreme care. If the cable is visibly damaged or frayed, it may need to be replaced. Replacement cables may be available from Micnova or authorized resellers.

**4. Inaccurate Location Data:**

- Ensure you are in an open area away from tall buildings, dense foliage, or strong electromagnetic interference, which can obstruct GPS signals.
- Allow sufficient time for the unit to acquire a strong satellite lock before taking photos.

## 9. SPECIFICATIONS

Feature	Detail
Model Name	GPS-N PLUS
Product Dimensions	1.89 x 1.38 x 0.59 inches
Item Weight	5.6 ounces
Connectivity Technology	USB
Special Feature	Waterproof
Included Components	GPS Control Cable, Connection line
Manufacturer	Micnova

## 10. WARRANTY AND SUPPORT





**Customer Support:** For technical assistance, troubleshooting beyond this manual, or inquiries regarding replacement parts, please contact Micnova customer support. You can usually find contact information on the official Micnova website or through the retailer where you purchased the product.

© 2024 Micnova. All rights reserved.

[illegible]

Micnova GPS N PLUS wysoce precyzyjna kamera odbiornik nawigacja do Nikon D3100 D3200 D3300 D5000 D5100 D5200 D5300 D7000 D7100 D600 D610 D800 D810 D7 00 D750 D90 D4 D3 itp Sklep internetowy stylem pl micnova gps n plus nikon d3100 d3200 d3300 d5000 d5100 d5200 d5300 d7000 d71 upload files product d7100 d600 d610 d800 d810 d7 d750 d90 d4 d3 552862 |||

<div>  <div> MICOVA PHOTO INDUSTRIAL CO. LTD.  <a href="http://www.micova.co.uk">www.micova.co.uk</a> </div> </div>			
Remote control system (1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 1/11 1/12 1/13 1/14 1/15 1/16 1/17 1/18 1/19 1/20 1/21 1/22 1/23 1/24 1/25 1/26 1/27 1/28 1/29 1/30 1/31 1/32 1/33 1/34 1/35 1/36 1/37 1/38 1/39 1/40 1/41 1/42 1/43 1/44 1/45 1/46 1/47 1/48 1/49 1/50 1/51 1/52 1/53 1/54 1/55 1/56 1/57 1/58 1/59 1/60 1/61 1/62 1/63 1/64 1/65 1/66 1/67 1/68 1/69 1/70 1/71 1/72 1/73 1/74 1/75 1/76 1/77 1/78 1/79 1/80 1/81 1/82 1/83 1/84 1/85 1/86 1/87 1/88 1/89 1/90 1/91 1/92 1/93 1/94 1/95 1/96 1/97 1/98 1/99 1/100 1/101 1/102 1/103 1/104 1/105 1/106 1/107 1/108 1/109 1/110 1/111 1/112 1/113 1/114 1/115 1/116 1/117 1/118 1/119 1/120 1/121 1/122 1/123 1/124 1/125 1/126 1/127 1/128 1/129 1/130 1/131 1/132 1/133 1/134 1/135 1/136 1/137 1/138 1/139 1/140 1/141 1/142 1/143 1/144 1/145 1/146 1/147 1/148 1/149 1/150 1/151 1/152 1/153 1/154 1/155 1/156 1/157 1/158 1/159 1/160 1/161 1/162 1/163 1/164 1/165 1/166 1/167 1/168 1/169 1/170 1/171 1/172 1/173 1/174 1/175 1/176 1/177 1/178 1/179 1/180 1/181 1/182 1/183 1/184 1/185 1/186 1/187 1/188 1/189 1/190 1/191 1/192 1/193 1/194 1/195 1/196 1/197 1/198 1/199 1/200 1/201 1/202 1/203 1/204 1/205 1/206 1/207 1/208 1/209 1/210 1/211 1/212 1/213 1/214 1/215 1/216 1/217 1/218 1/219 1/220 1/221 1/222 1/223 1/224 1/225 1/226 1/227 1/228 1/229 1/230 1/231 1/232 1/233 1/234 1/235 1/236 1/237 1/238 1/239 1/240 1/241 1/242 1/243 1/244 1/245 1/246 1/247 1/248 1/249 1/250 1/251 1/252 1/253 1/254 1/255 1/256 1/257 1/258 1/259 1/260 1/261 1/262 1/263 1/264 1/265 1/266 1/267 1/268 1/269 1/270 1/271 1/272 1/273 1/274 1/275 1/276 1/277 1/278 1/279 1/280 1/281 1/282 1/283 1/284 1/285 1/286 1/287 1/288 1/289 1/290 1/291 1/292 1/293 1/294 1/295 1/296 1/297 1/298 1/299 1/300 1/301 1/302 1/303 1/304 1/305 1/306 1/307 1/308 1/309 1/310 1/311 1/312 1/313 1/314 1/315 1/316 1/317 1/318 1/319 1/320 1/321 1/322 1/323 1/324 1/325 1/326 1/327 1/328 1/329 1/330 1/331 1/332 1/333 1/334 1/335 1/336 1/337 1/338 1/339 1/340 1/341 1/342 1/343 1/344 1/345 1/346 1/347 1/348 1/349 1/350 1/351 1/352 1/353 1/354 1/355 1/356 1/357 1/358 1/359 1/360 1/361 1/362 1/363 1/364 1/365 1/366 1/367 1/368 1/369 1/370 1/371 1/372 1/373 1/374 1/375 1/376 1/377 1/378 1/379 1/380 1/381 1/382 1/383 1/384 1/385 1/386 1/387 1/388 1/389 1/390 1/391 1/392 1/393 1/394 1/395 1/396 1/397 1/398 1/399 1/400 1/401 1/402 1/403 1/404 1/405 1/406 1/407 1/408 1/409 1/410 1/411 1/412 1/413 1/414 1/415 1/416 1/417 1/418 1/419 1/420 1/421 1/422 1/423 1/424 1/425 1/426 1/427 1/428 1/429 1/430 1/431 1/432 1/433 1/434 1/435 1/436 1/437 1/438 1/439 1/440 1/441 1/442 1/443 1/444 1/445 1/446 1/447 1/448 1/449 1/450 1/451 1/452 1/453 1/454 1/455 1/456 1/457 1/458 1/459 1/460 1/461 1/462 1/463 1/464 1/465 1/466 1/467 1/468 1/469 1/470 1/471 1/472 1/473 1/474 1/475 1/476 1/477 1/478 1/479 1/480 1/481 1/482 1/483 1/484 1/485 1/486 1/487 1/488 1/489 1/490 1/491 1/492 1/493 1/494 1/495 1/496 1/497 1/498 1/499 1/500 1/501 1/502 1/503 1/504 1/505 1/506 1/507 1/508 1/509 1/510 1/511 1/512 1/513 1/514 1/515 1/516 1/517 1/518 1/519 1/520 1/521 1/522 1/523 1/524 1/525 1/526 1/527 1/528 1/529 1/530 1/531 1/532 1/533 1/534 1/535 1/536 1/537 1/538 1/539 1/540 1/541 1/542 1/543 1/544 1/545 1/546 1/547 1/548 1/549 1/550 1/551 1/552 1/553 1/554 1/555 1/556 1/557 1/558 1/559 1/560 1/561 1/562 1/563 1/564 1/565 1/566 1/567 1/568 1/569 1/570 1/571 1/572 1/573 1/574 1/575 1/576 1/577 1/578 1/579 1/580 1/581 1/582 1/583 1/584 1/585 1/586 1/587 1/588 1/589 1/590 1/591 1/592 1/593 1/594 1/595 1/596 1/597 1/598 1/599 1/600 1/601 1/602 1/603 1/604 1/605 1/606 1/607 1/608 1/609 1/610 1/611 1/612 1/613 1/614 1/615 1/616 1/617 1/618 1/619 1/620 1/621 1/622 1/623 1/624 1/625 1/626 1/627 1/628 1/629 1/630 1/631 1/632 1/633 1/634 1/635 1/636 1/637 1/638 1/639 1/640 1/641 1/642 1/643 1/644 1/645 1/646 1/647 1/648 1/649 1/650 1/651 1/652 1/653 1/654 1/655 1/656 1/657 1/658 1/659 1/660 1/661 1/662 1/663 1/664 1/665 1/666 1/667 1/668 1/669 1/670 1/671 1/672			

Microva remote control system MQ S WC NW TC RC Series      micnova photo industrial co ltd Minolta  
Maxxum Dynax AF 7D 5D 9 7 5 4 3 807si 800si 700si 600si 505si 500si Sweet Sweets 9000 7000 5000  
DiMAGE 7Hi 7i 51 Good 5758074 201110170818314e9be4d746ed9  
uploadedimages brochures 1 |||

lang:it score:24 filesize: 9.3 M page\_count: 19 document date: 2011-10-17

Rufat Micnova GPS N Empfänger Dieser ist ein perfektes Nikon DSLR Zubehör um die Koordinaten Ihren Fotos hinzufügen so dass Sie Längen Breitengrad Höhe und UTC 7113z JnhhL ref dp product quick view m media amazon images | ||

[illegible]

