

QUICKSTART GUIDE



WHAT'S IN THE BOX:

- (A)** 1 Intwine Connect 4G LTE Router
- (B)** 2 circular 2.4Ghz (side) antennas
- (C)** 2 broad cellular (rear) antennas
- (D)** 1 DC power supply, 12V (not pictured)



YOUR 4GR OUT OF THE BOX

1. Hand-tighten the four antennas onto the threaded ports extending from the **4GR**.



NOTES:

- The broad antennas should be placed at the back of the **4GR**.
- For best coverage, position the broad antennas at a 45° angle from the base.
- Failure to properly attach the antennas **before** connecting the **4GR** to power could result in damage to the device.

2. Attach the 12V DC power supply to the **4GR** and plug it into a wall outlet.

NOTE:

If not using the supplied adapter, input voltage must be between 5 and 18VDC at 1.5A.

YOUR 4GR OUT OF THE BOX



3. The **4GR** will boot up automatically and connect to the 4G LTE network. This process may take up to 3 minutes.

NOTE:

Your **4GR** comes pre-equipped with a 4G LTE modem and SIM card.

BACK VIEW



- ① 2 broad cellular antennas
- ② 2 circular 2.4Ghz antennas
- ③ 10/100/1000 Ethernet port
- ④ USB 2.0 host port
- ⑤ 12 VDC power supply input

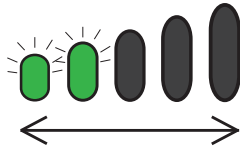
4GR LED INDICATOR GUIDE



No illuminated LEDs: 4GR does not have power.



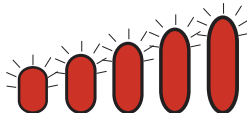
Single flashing green LED: 4GR is powering on.



Scrolling, flashing green LEDs: As the 4GR searches for a signal, the LEDs will cycle back and forth (1,2,3,4,5; 5,4,3,2,1).



Solid green LED: Indicates level of cellular signal.
1 LED is a poor signal, 5 LEDs is a very strong signal.



All flashing red LEDs: 4GR cannot find a WAN connection.

CONFIGURE YOUR 4GR

Your **4GR** is ready to use! See below for advanced configuration steps.



intwine connect
www.intwineconnect.com



FCC ID: SIB-ICG100NAR



12V === 1.5A



IGUID: xxxxxxxxxxxxxxxxxxxx



S/N: ICG20xxxxxxxx

Made in China - Designed in Cleveland

Model Number: ICG-100-NA-R
H/W Revision: R1
S/W Version Shipped: 1.0.4
MAC address: xxxxxxxxxxxx

Default SSID: intwine-icg-xxxx
Default Password: xxxxxxxx
Administration URL: 192.168.10.1
Admin Password: Sample Text

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

U.S. Patent #20150194039

1. Using a computer or mobile device, connect to the **4GR**'s Wi-Fi network. Use the name (**SSID**) and **Default Password** printed on the label on the bottom of the **4GR**.
2. Open a web browser (e.g. Chrome, Firefox, Safari, etc.) and browse to the address **http://192.168.10.1** to access your **4GR Configuration Page**.

NOTE:

If you receive a security warning, dismiss it.

3. Enter **admin** as the username and use the **Admin Password** from the **4GR** label. Click the Login button. In a few moments you will be redirected to the Configuration Page.
4. You are now able to configure your **4GR**!
5. To change default SSID & password select **Network Configuration** and select **Wi-Fi** from navigation menu. When changes are done, you may need to reconnect to Wi-Fi network.

NOTE:

If you change this information, it will replace the information on the label. Write it down and store in a secure location.

6. Create a remote management portal account at **rmp.intwineconnect.com**
7. For more information, including advanced configurations and mounting instructions, see the complete **4GR User's Guide** at **intwine.case.edu/docs**

CERTIFICATIONS, LICENSES, AND WARNINGS

This Quick Start Guide contains safety, handling, disposal, regulatory, trademark, copyright, and software licensing information. Read all safety information below and operating instructions before using the 4GR device to avoid injury.

FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

FCC CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions provided by Intwine Connect, may cause harmful interference to radio communications. This device must accept any interference received, including interference that may cause undesired operations. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by using one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Changes or modifications not expressly approved by Intwine Connect, LLC could void the user's authority to operate the product.

RADIATION EXPOSURE STATEMENT: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

SAFETY AND HAZARDS - Under no circumstances should the 4GR device be used in any areas: (a) where explosives are being used; (b) where explosive atmospheres may be present; or (c) that are proximate to any equipment which may be susceptible to any form

CERTIFICATIONS, LICENSES, AND WARNINGS



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NOTE – The 4GR was not designed for safe in-vehicle use and, as such, it should not be used in any moving vehicle by the operator. In some jurisdictions, use of the 4GR device while driving or operating a vehicle constitutes a civil and/or criminal offense.

OPEN SOURCE SOFTWARE - This product contains software distributed under one or more of the following open source licenses: GNU General Public License Version 2, BSD License, and PSF License Agreement for Python 2.7. For more information on this software, including licensing terms and your rights to access source code, contact Intwine at info@intwineconnect.com.

WARRANTY INFORMATION - Intwine warrants this product against defects in materials and workmanship to the original purchaser (or the first purchaser in the case of resale by an authorized distributor) for a period of one (1) year from the date of shipment. This warranty is limited to a repair or replacement of the product, at Intwine's discretion as purchaser's sole and exclusive remedy. Intwine does not warrant that the operation of the device will meet your requirements or be error free. Within thirty (30) days of receipt should the product fail for any reason other than damage due to customer negligence, purchaser may return the product to the point of purchase for a full refund of the purchase price. If the purchaser wishes to upgrade or convert to another Intwine product within the thirty (30) day period, purchaser may return the product and apply the full purchase price toward the purchase of another Intwine product. Any other return will be subject to Intwine's existing return policy.

RSS-GEN COMPLIANCE - This device complies with RSS-GEN of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-GEN d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance are strictly prohibited for use with this device.

CERTIFICATIONS, LICENSES, AND WARNINGS

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

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Notwithstanding the foregoing, in no event shall the aggregate liability of Intwine and/or its affiliates arising under or in connection with the device, regardless of the number of events, occurrences, or claims giving rise to liability, exceed the price paid by the original purchaser of the device.

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OTHER BINDING DOCUMENTS; TRADEMARKS; COPYRIGHT - By activating or using your 4GR device, you agree to be bound by Intwine's Terms of Use, User License and other Legal Policies. For more information, contact Intwine at info@intwineconnect.com

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and other useful information about your 4GR,
please visit www.intwineconnect.com.

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