

## NextCentury RE4 Repeater

Wireless Repeater with NextCentury Connect™



The [RE4 Repeater](#) extends the range and reliability of the NextCentury wireless network, ensuring seamless communication for metering applications. With dual antennas and intelligent frequency hopping, it mitigates interference in even the most challenging environments.

### Coverage For Any Property Size

The RE4 Repeater strengthens the NextCentury wireless network, ensuring reliable data transmission across large and complex properties. The RE4 intelligently extends network reach, eliminating dead zones and boosting connectivity where it's needed most.

### Uninterrupted Communication

With advanced dual antennas and intelligent frequency hopping, the RE4 automatically adjusts to minimize interference and maximize signal strength. This provides stable communication, even in areas with metal structures, dense walls, or competing wireless signals.

### Safe & Scalable

The RE4 is built with multi-stage encryption, safeguarding all wireless communications against unauthorized access. As your network expands, additional RE4 Repeaters integrate seamlessly, maintaining peak efficiency with minimal setup.

### Key Benefits

- Plug-and-play installation
- Expands wireless coverage across large properties
- Secure, encrypted data transmission
- Compact and durable design
- Seamless integration with NextCentury network
- Real-time connectivity feedback
- Easily mounts in a variety of locations
- Adapts to interference automatically
- Smart signal optimization

### Warranty

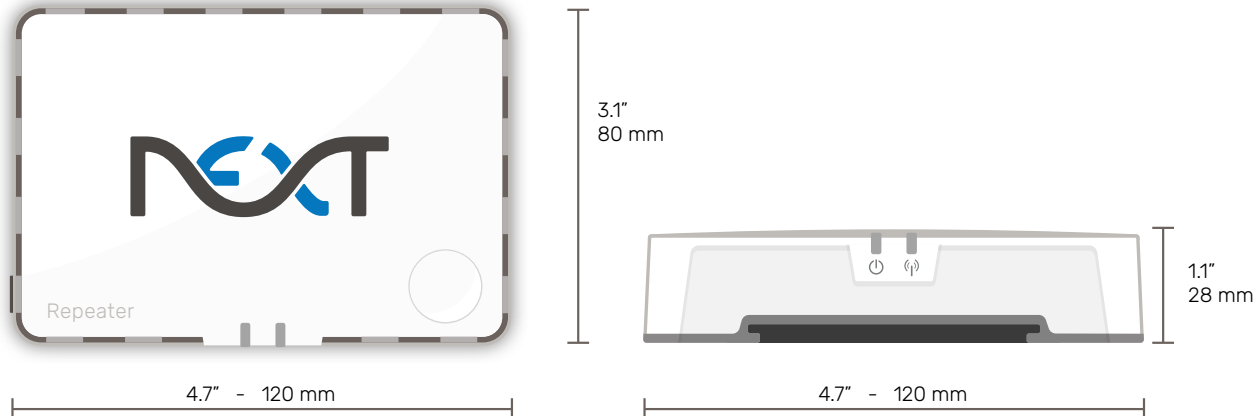
- 3-year standard warranty

# Specifications & Installation Guide



## Specifications

### Dimensions



### Approvals

FCC ID: 2AB8I-RE4

IC: 20949-RE4

### Wireless Communication

Two-way NextCentury RF Connect™

902-928 MHz Unlicensed Band

BLE for setup and diagnostics via mobile app (NCSS)

### Power & Environment

Power Supply: 15V DC (adapter included)

Operating Temperature: -4°F to 140°F (-20°C to 60°C)

Installation: Indoor, dry locations only

### Security & Compliance

Encrypted wireless communication

Complies with FCC & IC regulatory standards

### Warranty

Next Meters warrants the Repeater RE4 to be free from defects in materials and workmanship for a period of three years from date of manufacture when installed in accordance with these instructions and with limitations as detailed in the complete warranty.

Due to continuous product improvement and the need to comply with evolving regulations, Next Meters reserves the right to modify product specifications without prior notice.

### Transceiver Compatibility

- TR4 Transceiver
- TR4-X Outdoor Transceiver
- TR201 Transceiver
- RR4-TR Remote Reader
- RR301-TR Remote Reader

### Network Device Compatibility

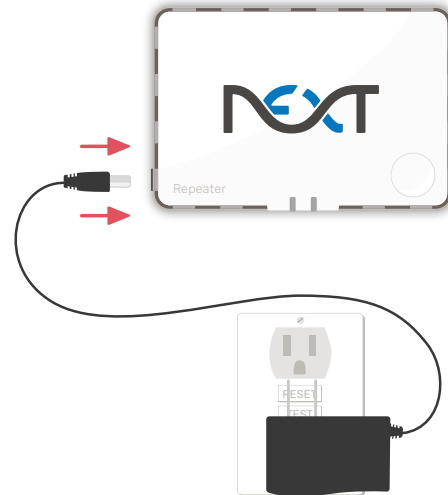
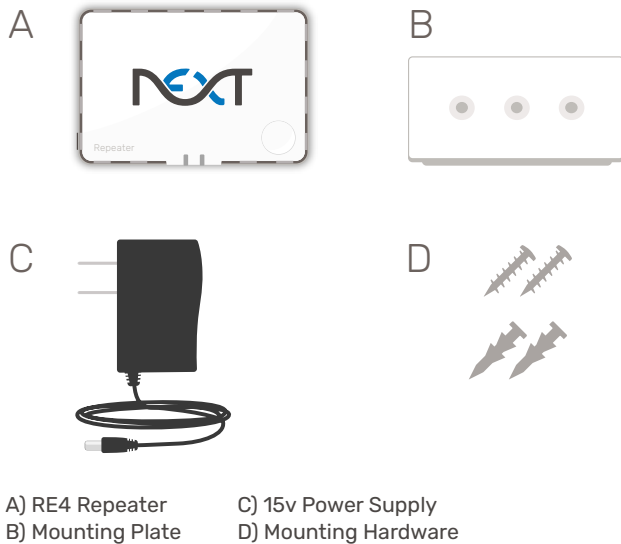
- GW4 Gateway (5G/LTE)
- GW4-Lite Gateway
- GW301 Gateway
- GW301-Lite Gateway
- GW201 Gateway (LCD)
- RE201 Repeater

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## Installation

### Package Contents

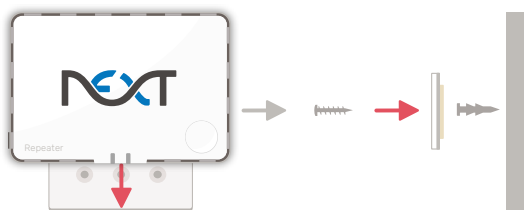


### Radio Range

The maximum distance between NextCentury wireless devices depends on building materials and layout. In typical apartment buildings, one Repeater per 70 units is recommended.

### Mounting Plate Installation

Where possible, select installation locations away from immediate obstructions (such as network racks, metal doors, metal support posts, etc.).



Detach the mounting plate. Secure it with adhesive, then fasten it with screws before sliding the RE4 into place.

### Power Connection

Plug the included 15V power adapter into the Repeater and a 120V outlet. Avoid plugging into intermittent power sources (e.g., timed lighting circuits). Install at least 3 feet from GFCI outlets to prevent potential tripping.

### Programming & Verification

Scan the device barcode (located on the back of the Repeater) using the NextCentury Mobile App (NCSS) or a barcode scanner.

Press the Test Connect button to verify communication with the network. Two green LED blinks indicate successful connectivity.



If no confirmation is received, relocate the Repeater or add additional Repeaters as needed.




# Specifications & Installation Guide



## Installation (cont.)



### LED Status Indicators

#### Power



-  On – No Gateway Connection
-  Healthy Connection to Gateway
-  Running on Backup Power

#### RF Activity

##### Test Connect

- Connecting 
- Confirmed 

##### Nearby Devices

- Routing Message 
- Routing Legacy 



## Contact

For additional information or assistance, please visit our Support Center or contact our Product Support Team:

[support.nextmeters.com](https://support.nextmeters.com)

(844) 538-8203

[support@nextmeters.com](mailto:support@nextmeters.com)