The RB709U-NB digital receiver is a wireless radio control designed for use with automated gate openers and garage door openers. The receiver has two channels for receiving signals from two activation devices; i.e. transmitters, multi-button transmitters, wireless keypads, etc.

Compatible transmitter:
- GTO gray narrow band transmitters (318MHZ)

Power input:
- 8-24 V ac/dc, 10ma standby, 40ma activated (Red & Black wires).

Outputs: 2 channels pulsed outputs
- 2 channels dry-contact normally open relay outputs.
- Channel 1: Blue (N/O Contact) & Green (COM) wires.
- Channel 2: Yellow (N/O Contact) & Brown (COM) wires.
- Activated for .5 seconds when the correct transmitter code is received.
- Relay switching maximum rating: 24Vac/dc @ 1A.
- Operating Range 50 to 100 feet (15.2 to 30.5 m)

Indoor/Outdoor compatible.
Mount receiver at least 3 feet from AC power source.

FCC Regulation
This device complies with FCC rules Part 15. Operation is subject to the following conditions:
1. This device may not cause harmful interference.
2. This device must accept an interference that may cause undesired operation.

Transmitter distance may vary due to circumstances beyond our control. NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: Do not mount upside down.

Consider the following when mounting the receiver:
- Standard receiver cable length is 10 feet (3.05 m).
- For exterior applications run the cable through PVC conduit to protect it from damage.
- DO NOT run cable in conduit containing ac wiring.
- The receiver range can vary from 50 to 100 feet (15.2 to 30.5 m) depending upon weather, topography, and external interference.

Printed in China for GTO - Gates That Open, LLC  rev-090810
Programming the Receiver

Programming transmitter(s) or other access devices to RB709U-NB receiver:
• Press and hold the transmitter (device) button to be learned.
• Press the ‘LEARN CH1’ (or ‘LEARN CH2’) button on the RB709U-NB receiver for 1-2 seconds or until the red LED turns on, then release the button.
• Note: When the correct code is received and the corresponding relay output is activated, the red LED will turn on.

Check operation after programming:
• Press Transmitter (device) button, #1 - RED LED blinks once to confirm.
• Press Transmitter (device) button, #2 - RED LED blinks twice to confirm.

Wiring Receiver to GTO DC Operators

Typical GTO DC powered gate operators.
GTO 2000XL, 3000XL, 4000XL, and Mighty Mule 500

8 to 24 VOLT AC/DC
POWER SUPPLY or BATTERY
RED WIRE to POSITIVE
BLACK WIRE to NEGATIVE

BATTERY or TRANSFORMER
SURGE PROTECTOR
(RB570 or R4215)

Connects to most garage door openers the same as a remote push button.