



P/N: 3A3533B
RECEIVER, 4 OUTPUTS

This device complies with Part 15 of the 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.

Changes or modifications not expressly approved by manufacture will void the user's authority to operate the equipment.

OPERATION

- Press and hold the POWER button for at least 2 seconds and release to turn on or off
- There are red and green LEDs both on the keypad of the transmitter and inside the receiver case. The green LED on the transmitter will blink 2 times per second when the transmitter and receiver are communicating. It will blink 1 time per second if there is no communication (i.e. - no power to the receiver)
- The red LED on the receiver will blink 1 time per second if there is no communication (i.e. - transmitter is off)
- The transmitter's red LED blinks 1 time per second if the batteries are low and need to be changed

SYNCHRONIZING TRANSMITTER AND RECEIVER

Each transmitter and receiver pair is synchronized together at the factory. If a new transmitter is needed, synchronizing is required. Use the following procedure:

1. Make sure both the transmitter and receiver are off.
2. Press and hold the POWER button on the transmitter for more than 10 seconds. The red and green LED will start to blink.
3. Apply power to the receiver
4. Wait for a few seconds until only the green LED begins to blink on the transmitter
5. Teach complete

SLEEP TIME

All transmitters have the ability to change the sleep time from the default to user's preference. The transmitter is factory set to have the sleep time disabled. To change the time the transmitter waits before going to sleep, use the following procedure:

1. With the transmitter off, press and hold POWER and buttons CHUTE CLOSE, HOIST LOWER, and BUTTON 5
2. Release the buttons. At this point, both lights will blink once per second
3. On the transmitter, press one of the following buttons to adjust the sleep time:
 - a. CHUTE OPEN=15 minutes
 - b. HOIST RAISE=30 minutes
 - c. CHUTE CLOSE=1 hour
 - d. HOIST LOWER=2 hours
 - e. BUTTON 5=sleep disabled
4. Sleep time programming complete

CLONING TRANSMITTERS

WARNING! - This feature can pose a safety hazard for operators if both transmitters are used simultaneously- use with CAUTION! Occasionally, it is desirable to have more than one transmitter work with a single receiver. This is accomplished by a process called cloning. Cloning allows an additional transmitter (B) to have the same ID code as the original transmitter (A). If this feature is desired, use the following procedure:

1. Make sure both transmitters and the receiver are off
2. On Transmitter A, press and hold the POWER button for 10 seconds until LEDs blink, then release. Green and red LEDs will blink together at this point
3. On Transmitter B, press and hold buttons CHUTE OPEN, HOIST RAISE, and POWER simultaneously until both LEDs start to blink
4. Wait for few seconds until only the green LED starts to blink on transmitter A and transmitter B turns off.
5. Turn both the transmitters off
6. Synchronize one of the transmitters to the receiver using SYNCHRONIZING TRANSMITTER AND RECEIVER instructions above

If the cloning feature has been invoked and is no longer desired, the ID code of one of the transmitters needs to be changed. This will unclone the transmitters. If this is desired, use the following procedure:

1. Make sure the receiver and transmitter are OFF
2. Press and hold buttons HOIST RAISE, CHUTE CLOSE, 5 and POWER buttons simultaneously until both LEDs start toggling then release
3. Press any button again to select a new ID
4. Uncloning complete
5. Follow the SYNCHRONIZING TRANSMITTER AND RECEIVER procedure above to link the uncloned transmitter to a new receiver

SPECIFICATIONS

- RF: 902-928MHz FHSS 10mW
- Temperature: Receiver: -40 to +85°C Transmitter: -18 to 58°C
- Output Rating: 5A each (sourcing) 20A system maximum
- Relay Rating: 12 Volts, 30 Amps
- Encapsulated electronics inside receiver
- Transmitter power: 2 AAA batteries
- Battery life: 30-40 hours continuous

KAR-TECH Delafield, WI 53018		ORDER NUMBER 3A-353-1-B-3A
		PART NUMBER 3A-353-1-B-3A
MINI RADIO SYSTEM		
LAKESHORE MFG		
QTY ORDERED BY THE USER: 1		
DATE 02-28-14	TIME 10:00 AM	ORDER NO. 3A-353-1-B-3A