
MiTek[®]

SERVICE BULLETIN

Document ID:

SB255

Title:

Pairing Programmable Remotes

Affected machinery: *RailRider Pro*[®] Floor Truss Press

Distribution: Customers upon order

Applies to: All machines with programmable remotes and matching receivers built after April 2022

CAUTION:

MiTek recommends printing this manual in high resolution using color ink. Many of the graphics may be unclear and may create an unsafe condition if this recommendation is not followed.

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Purpose and Scope

This service bulletin instructs how to pair a replacement programmable remote (transmitter) to a receiver for the *RailRider Pro*.



If the package containing the receiver and remotes contains any other installation instructions, **please disregard those instructions and follow the steps in this service bulletin.**

Overview

Parts Included

The parts included in this kit are shown in Table 1. Please make sure all parts and supplies are present before starting the procedure.

Table 1: Parts in SB255KIT

Quantity	Description	Part #
1	Programmable remote (transmitter)	537012
1	Service bulletin document	SB255

Table 2: Parts in SB255KIT-B

Quantity	Description	Part #
1	Programmable remote (transmitter)	537015
1	Service bulletin document	SB255

If you have any questions, call MiTek Automation Support at 1-800-523-3380.

Supplies Needed



- Phillips screwdriver

Procedure

The *RailRider Pro* includes 2 receivers on the stand-alone electrical enclosure (see Figure 1). Each receiver is dedicated to either the infeed or outfeed side of the table. In a typical setup, two programmable remotes are programmed to each receiver. See Figure 2 for an example of a receiver and a remote.

These instructions assume you will be pairing two remotes to a single receiver, but they are also applicable to programming a single remote to a single receiver.

Figure 1: Stand-Alone Enclosure and Attached Receiver

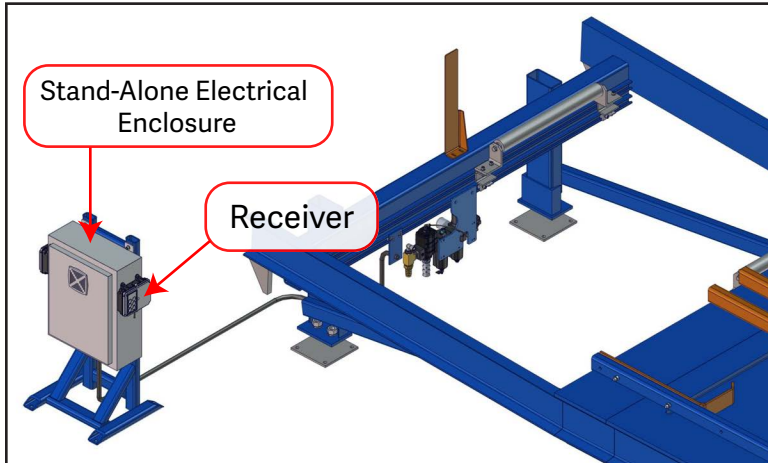
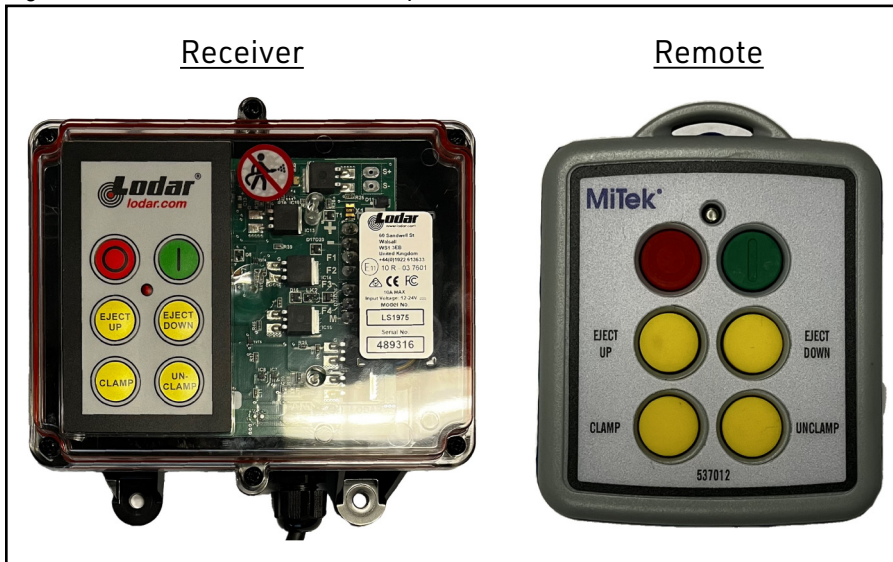


Figure 2: Receiver and Remote Example





Pairing Procedure for Remotes

Before starting this procedure, install the AAA batteries included with the receiver packaging in each remote. Two remotes will be paired with each receiver.



Italicized steps are time-sensitive and **MUST** be started within a few seconds of the previous step

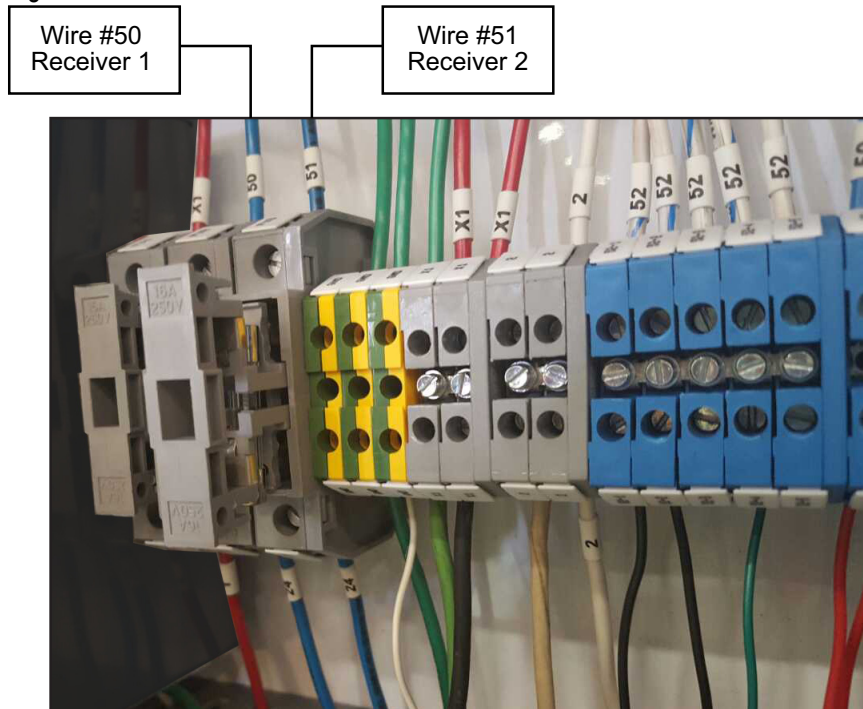
Pairing the 1st Remote to a Receiver

 WARNING	
	ELECTROCUTION HAZARD.
	All electrical work must be performed by a qualified electrician.
	Follow NFPA 70E for proper procedures and personal protective equipment.

1. Disconnect power to one of the receivers by removing the fuse from the *RailRider Pro* main electrical enclosure (see Figure 3).

Make note which fuse is pulled as the other fuse must be pulled to pair the second pair of remotes to the other receiver.

Figure 3: Receiver Fuse Location



2. Select the first remote to be paired with the receiver.
3. At the same time, press and hold **STOP (RED)** + **SET (GREEN)** until the LED on the remote turns off (the LED will turn back on after a few seconds).

See Figure 4 for a depiction of the remote buttons to be used during the pairing procedure.

Figure 4: Remote Pairing Buttons



- All references to the buttons in the following instructions refer to only the remote. No buttons on the receiver will be utilized.
 - Your remote may have a different label with different function descriptions. The pairing procedure is still the same for all remote types.
4. Reconnect power to the receiver by reinserting the fuse that was removed in step 1.
 5. *Quickly press and hold **SET** until the receiver LED stops flashing.*
 6. Alternate pressing **STOP** and **SET** a few times – you should be able to see the faint reflection of the LED behind the receiver circuit board flashing with each button press.
 7. Disconnect power to the receiver via fuse.
 8. Reconnect power to the receiver via fuse.
 9. *In quick succession, press **SET** and then **F1**, holding both until the receiver LED stops flashing.*
 10. *In quick succession, release **F1** and then **SET**.*
 11. Check if pairing was successful by testing the **STOP** and **SET** buttons.

Pairing the 2nd Remote to the Same Receiver



If only programming one remote, disregard this section.

Ensure the 1st remote has been successfully paired and is turned on– the 2nd remote cannot be paired without it. The steps listed below are identical to the steps listed above, except for those in **red**.



1. Disconnect power via fuse to the receiver paired with the 1st remote.
2. On the 2nd remote, at the same time press and hold **STOP (RED) + SET (GREEN)** until the LED turns off (the LED will turn back on after a few seconds).

See Figure 4 for a depiction of the remote buttons to be used during the pairing procedure.

3. *On the 2nd remote, press and release **SET**.*
4. Reconnect power to the receiver via fuse.
5. *On the 2nd remote, Press and hold **SET** until the receiver LED stops flashing.*
6. Alternate pressing **STOP** and **SET** a few times – you should be able to see the faint reflection of the LED behind the circuit board flashing with each button press.
7. Disconnect power to the receiver via fuse.
8. Reconnect power to the receiver via fuse.
9. *In quick succession on the 2nd remote, press **SET** and then **F1**, holding both until the receiver LED stops flashing.*
10. *In quick succession, release **F1** and then **SET**.*
11. *As soon as the receiver LED starts flashing again, in quick succession on the 1st remote, press **SET** and then **F1**, holding both until the receiver LED stops flashing.*
12. *In quick succession, release **F1** and then **SET**.*
13. Check if pairing was successful by testing the **STOP** and **SET** buttons on both remote. You should be able to see the faint reflection of the LED behind the receiver circuit board flashing with each button press. Note that only one remote can be active at a time.
14. Repeat the pairing process for the other receiver (and 2 remotes) if necessary.

Operating the Hand-Held Remote and Keypad

This procedure applies to both the hand-held remote and the keypad located on the receiver. They both transmit a signal to the receiver.

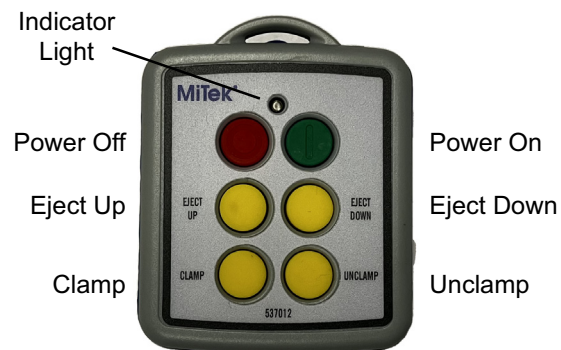
	 CAUTION
	A hand-held remote should only be used within line-of-sight of the machine and at a maximum distance no greater than 100 ft.

- Power up the hand-held remote or receiver keypad by pressing the green POWER ON button.
 - The indicator light comes on, and then slowly blinks once it is communicating with the receiver.
 - If no other buttons are pressed within 1 minute, it times out and shuts itself off. Press the green POWER ON button again to continue operating.

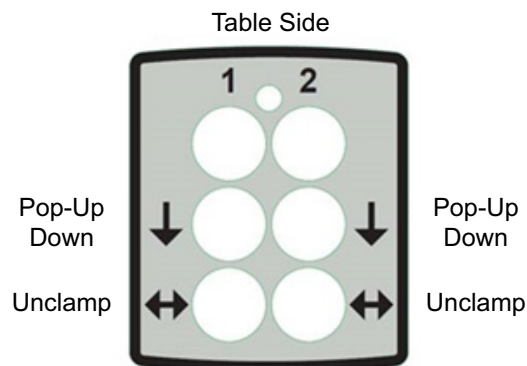
- Press the yellow button that corresponds to the desired action, using these rules:
 - Press once and release. Press again within 5 seconds and hold for 1 second, then the operation will begin.
 - If the operator does not press the 2nd press within the 5 second window, the process starts again at the beginning.
 - If the operator presses the wrong button for the 2nd press, the process starts again at the beginning.

Once the correct button pressing sequence has been acknowledged, the horn sounds and the movement requested begins.

Figure 5: Operating the Remote



Standard Remote Functions



Custom Remote Functions

END OF SERVICE BULLETIN