

TOP RACE TR-213 22 Channel Radio Control Professional Loader User Guide

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USER'S GUIDE

8+ AGES

TR-213 TOPR-000026

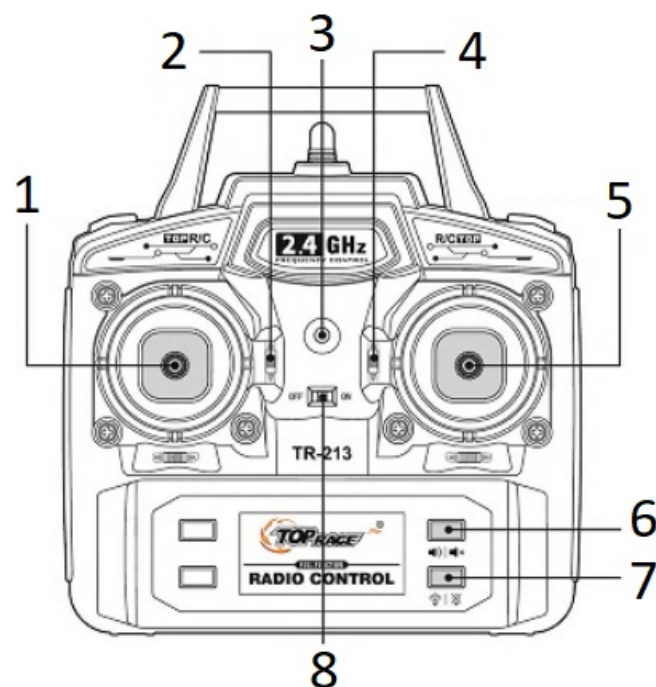
**22 CHANNEL RADIO CONTROL
PROFESSIONAL LOADER Model**



SCALE 1:14



Remote Control Functionality



1. Forward

Forward Left

Forward Right

Left

Right

Backward Left

Backward Right



Backward

2. Left Arm Balance
3. Power Light
4. Right Arm Balance
5. **Arm Lowering**

Lower arm while
Bucket tilting up

Lower arm while
Bucket tilting down



Bucket tilt up

Bucket tilt down

Raise arm while

Raise arm while

Bucket tilting up

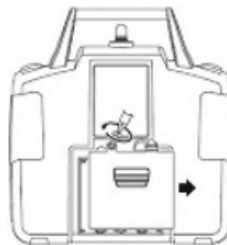
Bucket tilting down

Arm Rising

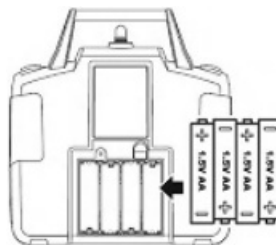
6. Sound
7. Light
8. Power

Remote Control Battery Installation

- 1 Using a Philips screwdriver, remove battery cover. (See Pic. 1 below)
- 2 Insert (4) 1.5V AA batteries into the battery compartment. (Batteries not included)
Be sure to place them in according to the proper polarity as shown, (Pic. 2)
- 3 Re-install battery cover and tighten the screw. (Pic. 3)



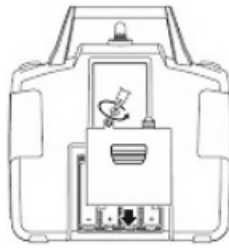
(Pic. 1)



(Pic. 2)

ATTENTION:

Install batteries with correct polarity!



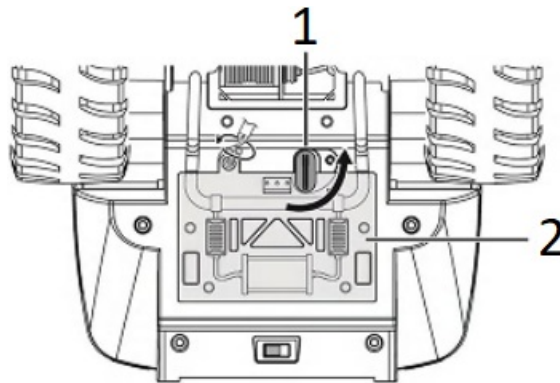
(Pic. 3)

Battery Handling Instructions:

1. Use care to install and remove batteries correctly.
2. Never attempt to re-charge non-rechargeable batteries.
3. Adult supervision is recommended during charging.
4. Never mix old and new batteries.
5. Only use the recommended battery types.
6. Always insert batteries with correct polarity.
7. Promptly remove expired batteries.

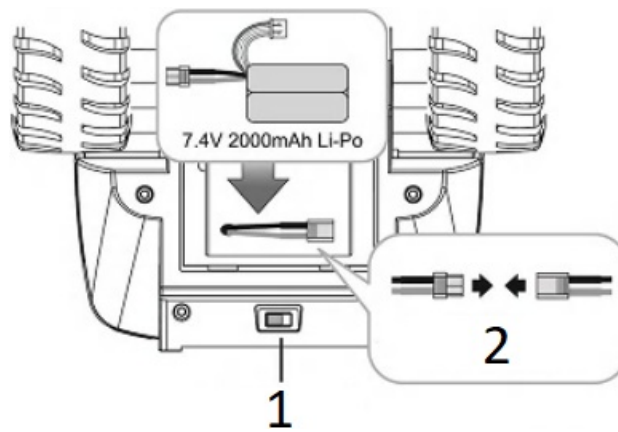
Installation of Loader Battery

1. Loosen battery cover screw with philips screwdriver, then turn cover lock counter clockwise. Remove battery cover.

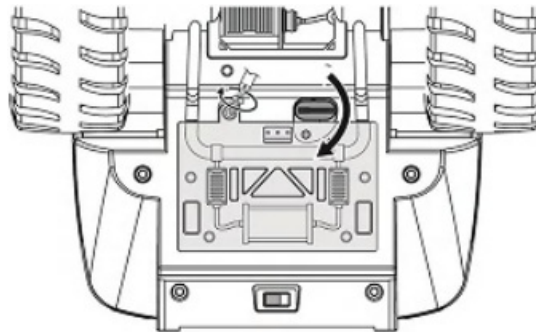


1. Battery Cover Lock
2. Battery cover

2. Connect Lithium battery pack to the TR-213 connection port, as shown. Place battery pack into the compartment.



1. Power switch
2. TR-213 Power connection port.
3. Tighten battery cover screw, then twist cover lock clockwise until the battery cover is locked.



Battery Charging Instructions

CHARGING METHODS

Connect the white port of the lithium battery to the USB charging port as shown and ensure that the pod is tight and correct, and then plug the USB charging head into the power adapter to charge it.

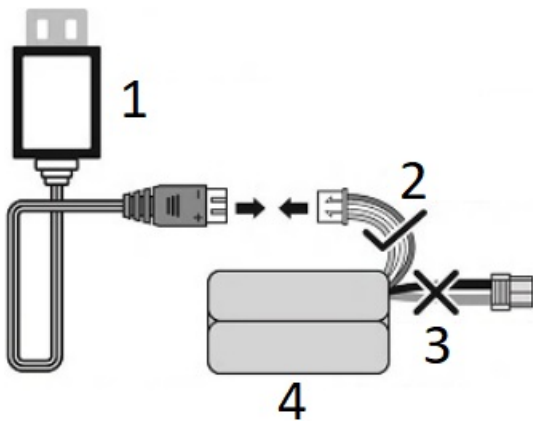
BATTERY/USB PARAMETERS

Battery specifications: 18650
7.4V 2000mAh lithium battery

Intelligent USB balance charger with overcharge protection

Input: 5.0V 1-2A

Output: 4.2V 800mAh X2



1. Intelligent USB charger lead (Enclosed)
2. (Charging permitted)
3. (Charging forbidden)
4. 7.4V 2000mAh lithium battery (Enclosed)

INDICATOR LIGHT STATUS AT THE TIME OF CHARGING:

Uncharged Status: Red LED stays on.

Charging: Red LED on, Green LED is flashing.

Fully Charged: Red LED off and Green LED stays on.

NOTE: Charging time is 5-7 hours. When charged, promptly remove the USB charging cable.

Li-Po Battery Info

1. The Li-Po Battery Pack should only be charged using the Intelligent USB charger lead.
2. Only charge the battery pack using the white charging port.
3. When charging, use a 5V USB charging plug.
4. Never attempt to charge the Li-Po battery pack if there are visible signs of damage or wear.
5. Once the Li-Po Battery Pack is fully charged, promptly remove it from the charging cable. Never leave the battery pack plugged into the charger longer than the necessary charge time.

Li-Po Battery Safety

- Read all of the instructions before using or charging the Li-Po Battery Pack.
- Never attempt to charge the battery pack without the Intelligent USB Charger cable that was included with the TR-213 Loader.
- Never leave a charging battery pack unattended.
- Keep the Li-Po Battery Pack away from heat sources. Do not attempt to dismantle or re-wire the battery pack.
- Examine the battery pack for any damage to the wires or pack before using it or recharging it.
- Do not attempt to recharge a battery pack that is swollen or deformed in any way.
- Keep battery pack and small parts away from children.
- Follow all local recycling and disposal laws before discarding used batteries or damaged battery packs.
- Battery packs should be charged under adult supervision.



- The TR-213 Loader is not recommended for children under age 12.
- The remote controller is powered by (4) 1.5V AA batteries. The Loader uses a 7.4V 2000mAh Li-Po rechargeable battery pack.
- To avoid accidental burns, never touch the motor after use. The motor generates heat.
- Periodically check all wires, plugs, and connectors to ensure they are in good condition. Never use with damaged components.
- Only use the charger that came with this unit to recharge the battery pack.
- Never look directly at the LED light source as it may cause eye damage.
- To avoid interfering with aviation control, never use within 2 miles of an airport.

Pairing Instructions

This product is equipped with a 2.4GHz remote control.

To “pair” the controller to the unit, turn both power switches to on.

Once on, the unit will automatically find the controller and match the frequency. Once the frequency is paired, there will be an audible series of beeps.

Model power switch



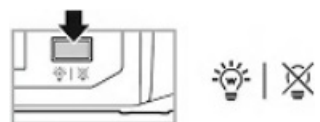
Remote control power switch



Lights & Sound Control



Press the sound switch to open the sound effect, and press again to close (circulating)



Press the light switch to turn on the light, and press again to turn off (circulating)

Arm Balance Adjustments

If the arms are not lifting and lowering in sync. then the excavator arms need a balance adjustment.



To adjust the left arm down, push the left balance adjustment button up slowly.



To adjust the right arm down, push the right balance adjustment button up slowly.

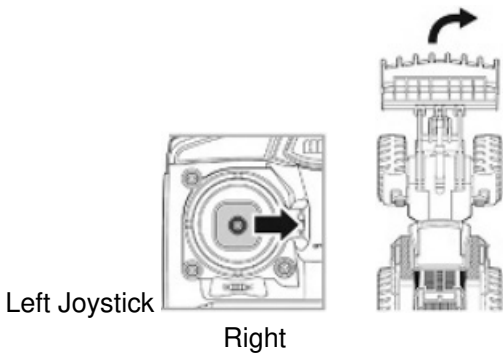
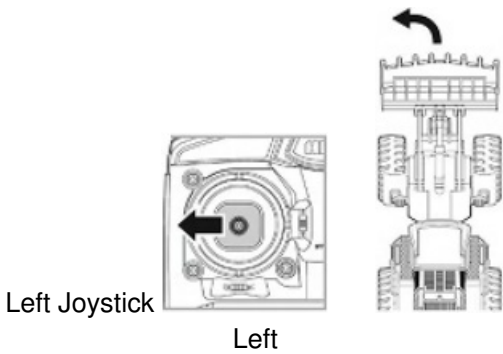
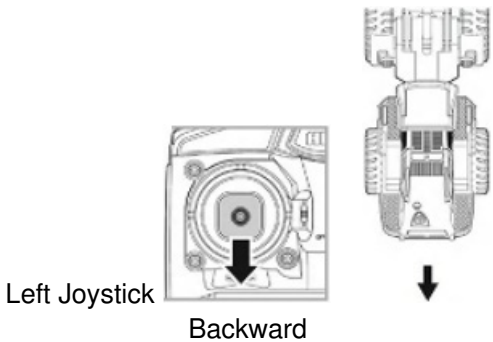
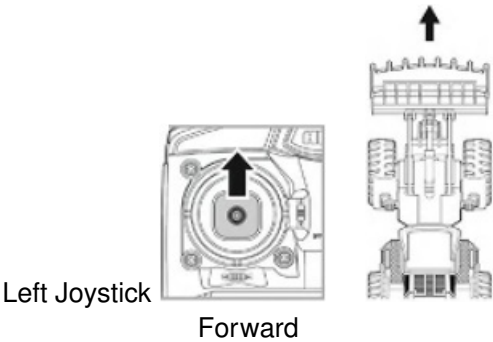


To adjust the left arm up, push the left balance adjustment button down slowly.

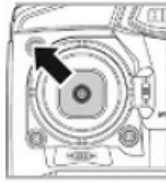


To adjust the right arm up, push the right balance adjustment button down slowly.

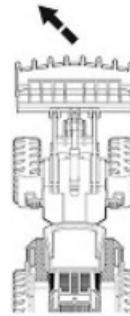
Operating Instructions



Left Joystick



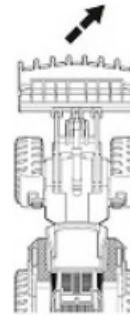
Forward Left



Left Joystick



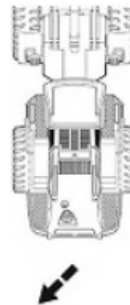
Forward Right



Left Joystick



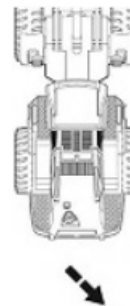
Backward Left



Left Joystick

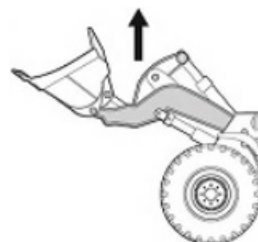


Backward Right



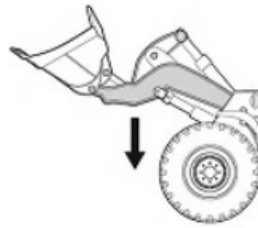
Right Joystick

Raise Arms

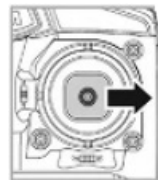
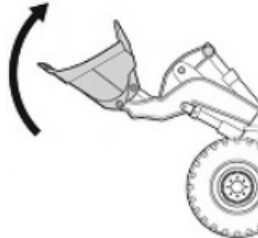




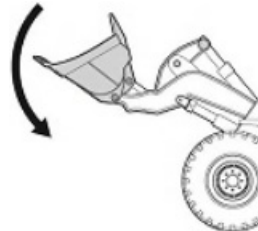
Right Joystick
Lower Arms



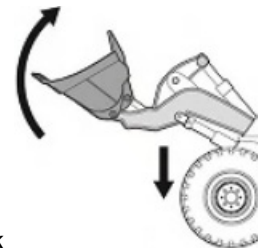
Right Joystick
Tilt Bucket Up



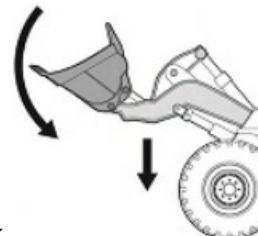
Right Joystick
Tilt Bucket Down

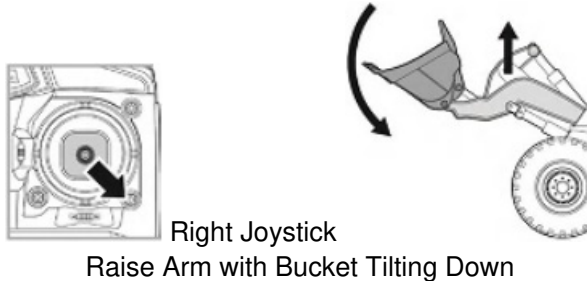
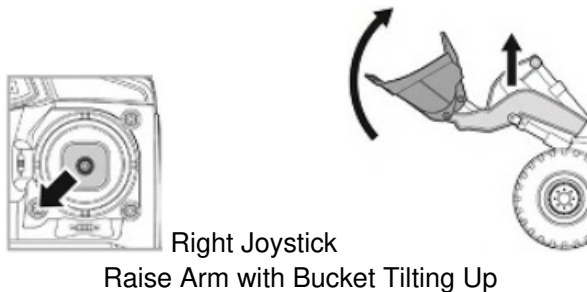


Right Joystick
Lower Arm with Bucket Tilting Up



Right Joystick
Lower Arm with Bucket Tilting Down





DON'T IMPROPERLY USE THIS PRODUCT

Never attempt to modify, dismantle, or rebuild the TR-213. When parts need replacing, only use the parts specifically designed for this unit. Only use this unit for its intended purpose. Attempting to exceed the listed limits may cause accidental damage or injury.

Never attempt to lift more than 3.25 pounds with the TR-213 Loader.

IMPORTANT NOTICES

The TR-213 is manufactured using the strictest quality standards. It is recommended for users aged 12 and over. Always operate this product in a safe and controlled environment.

For more information about this device, contact sales@toprace.com or visit our website at www.TopRace.com.

If you have questions about the TR-213 visit us online at

US
RGA Top Race US LLC
801 Barton Springs Road,
Austin, TX 78704
Email: support@dollardeal.zendesk.com

CA
RGA Ben LLC
801 Barton Springs Road,
Austin, TX 78704

Warning! Not suitable for children under 36 months. Choking hazard. We recommend that you retain this packing for future reference.

**WARNING:**

CHOKING HAZARD – small parts,
Not for children under 3 years.



MADE IN CHINA

TR-213 Loader

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful 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, may cause harmful interference to radio communications. 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 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/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED Statement

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES – 3 (B)/NMB – 3(B).

This device meets the exemption from the routine evaluation limits in section 6.3 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

RF Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in distance 0mm between the radiator & your body without restriction.

Documents / Resources



[TOP RACE TR-213 22 Channel Radio Control Professional Loader](#) [pdf] User Guide
TR-213 22 Channel Radio Control Professional Loader, TR-213, 22 Channel Radio Control Professional Loader, Radio Control Professional Loader, Control Professional Loader, Professional Loader, Loader

References

- [User Manual](#)

Manuals+. Privacy Policy

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