

CDX Remote App

User Manual

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Safety

This product is designed to assist in improving safety on a go-karting track. While it may help reduce certain risks when used correctly, it does not eliminate hazards associated with go-karting activities and **cannot replace proper track safe operating procedures, trained personnel, or compliance with applicable safety regulations.**

While every effort has been made to ensure the accuracy of the information contained in this manual, the manufacturer cannot be held responsible for errors, omissions, or inaccuracies in this publication.

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Document revisions

Version	Details	Date	Author
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1 Pre-installed CDX Remote App Android application

The CDX Remote is an Android device with the CDX Remote App pre-installed. The Android device must be connected to a CDX USB Transceiver for the radio communication with the karts.

2 First time use

1. Search for the CDX Remote App in Android.
2. Click on the icon to open the CDX Remote App.
3. Figure 1 will be shown.
4. Your Android device required a wifi with internet connection to read the 'Terms of Use, Warranty & Liability Waiver'.
5. If you agree with the 'Terms of Use, Warranty & Liability' you can check the checkbox next to the orange text and resume by clicking on 'OK'.

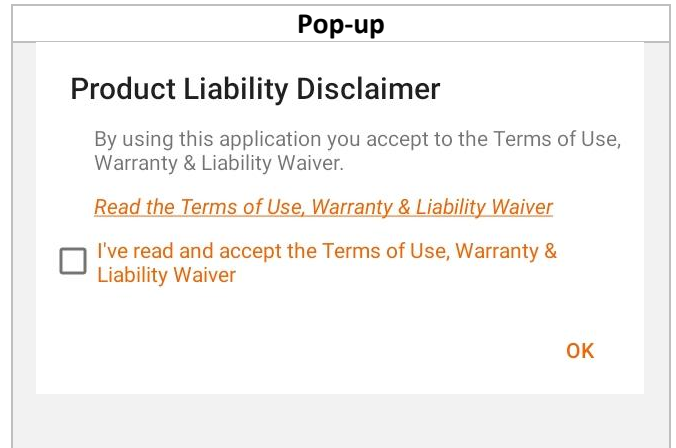


Figure 1: Product liability disclaimer pop-up

3 Start using the CDX Remote Control App

To start using the CDX Remote Control App the CDX Transceiver must be connected. If the Transceiver is not connected the message “NO CONNECTION WITH CDX TRANSCEIVER” will display. Check if the CDX Transceiver is connected properly. If it is connected but still displaying the message, try reconnecting. If it is still not working, restart the app.

This explanation is also found if you press the ‘HELP’ button.

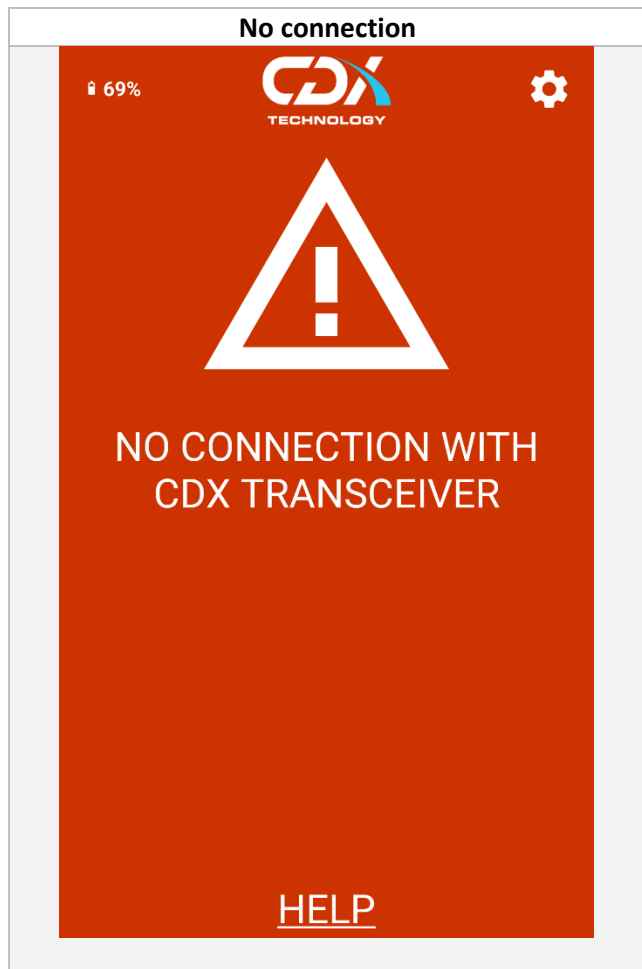


Figure 2: No connection with CDX Transceiver

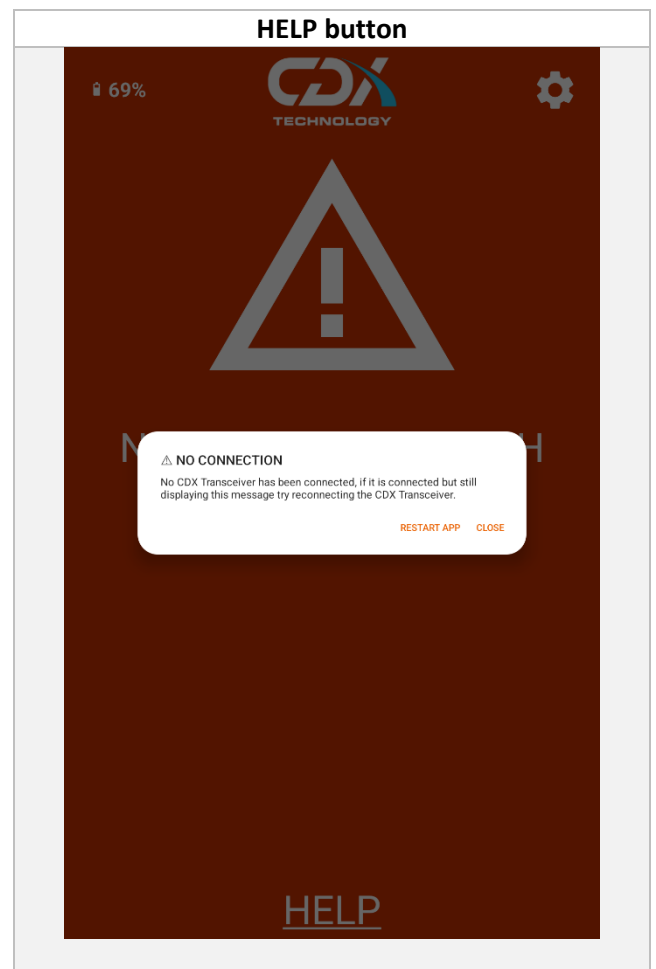


Figure 3: HELP button pop-up

After the CDX Transceiver is connected the message “CONNECTED WITH CDX TRANSCEIVER” will display and you will automatically be sent to the main screen.

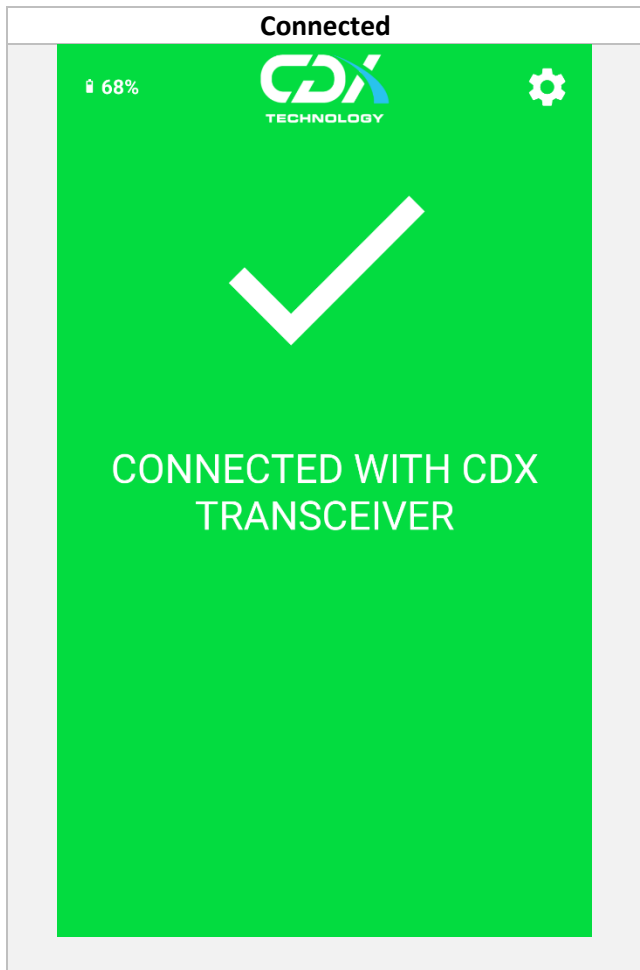


Figure 4: Connected with the CDX Transceiver

4 Big screen user interface

4.1 Main screen

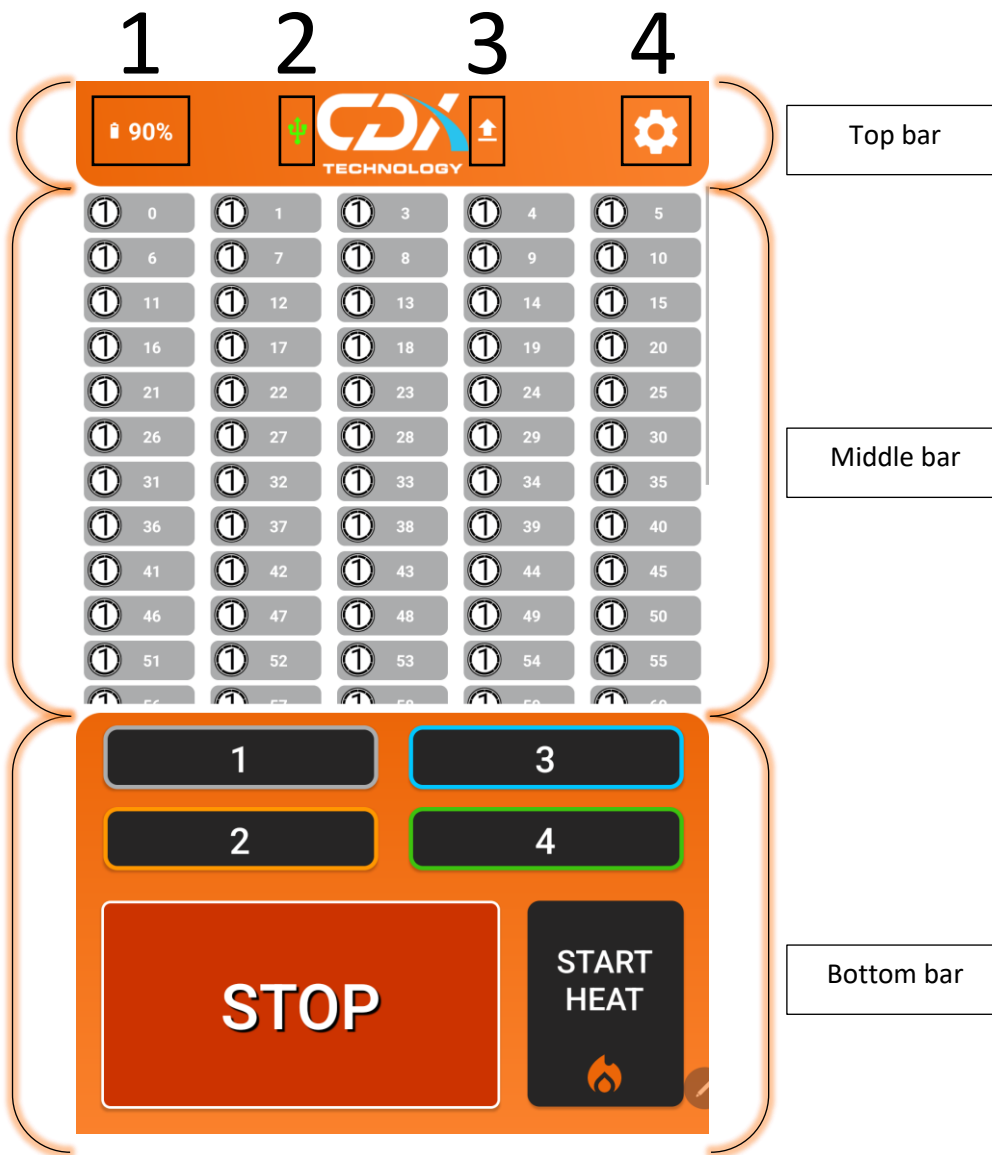


Figure 5: Main screen

4.2 Top Bar

The top bar has some features to make it easy to use the app.

1. State of Charge.
2. CDX Transceiver connection status (left of the CDX Logo).
3. Communication status (right of the CDX Logo).
4. Settings button.

4.3 Middle bar

The middle of the screen holds all the karts that are enabled (exception for the mobile version). By default, all 55 karts are selectable.

4.4 Bottom bar

The bottom bar houses all the speed controls.

- Speed buttons ranging from 1 to 4 (8 speeds can be enabled in the settings).
- Stop button.
- Start heat button.

To select one or more specific karts, click on a kart in the middle bar, the kart will turn blue indicating it has been selected. Now you can click on one of the speed buttons to only change the selected kart(s).

To set the speed of all karts, make sure you have no karts selected. This means all karts will receive the speed button you click.

4.5 CDX USB Transceiver Popup

When a device is using the CDX Transceiver for the first time, you will get a popup. This popup says “Allow/Open CDX Remote Control to handle USB Transceiver”, click on the box “Always open CDX Remote Control when USB Transceiver is connected” and then click on “OK”.

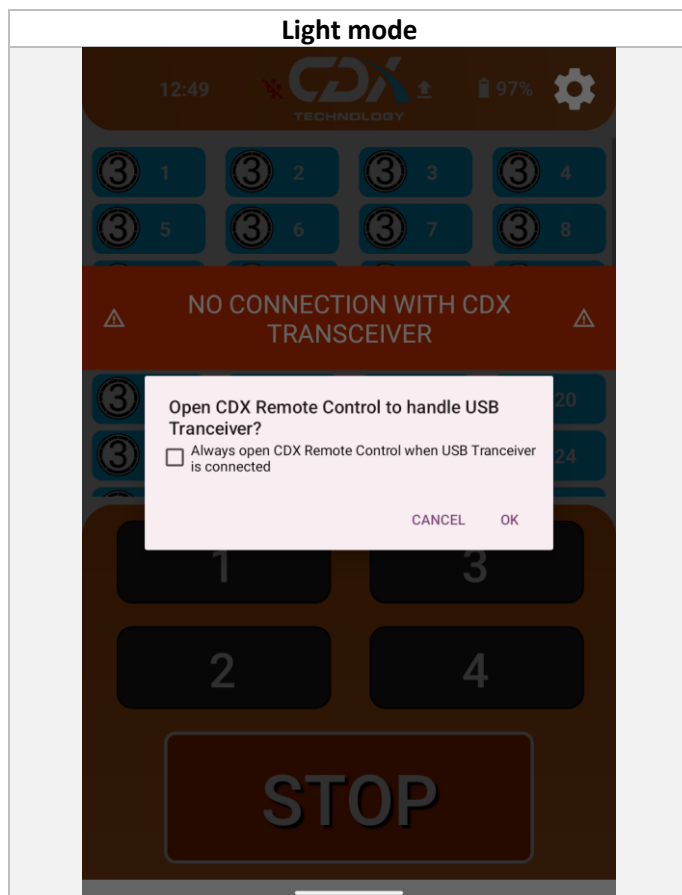


Figure 6: CDX Transceiver Popup

5 Smaller screen user interface

5.1 Main screen

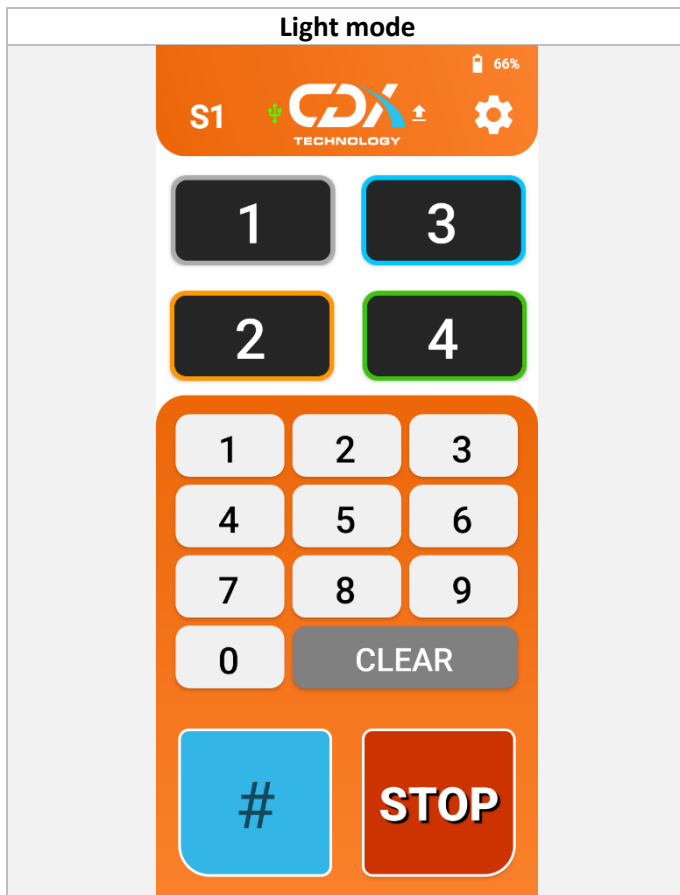


Figure 7: Phone User Interface

The smaller screen user interface uses an input field where you can enter the kart number to change the speed of a specific kart. If you want to change the speed of a single kart, click on one of the 1 to 9 buttons and then click a speed button. When no kart number is in the input field, the speed command will be send to ALL active karts.

6 Setting menu

6.1 Entering the PIN-code

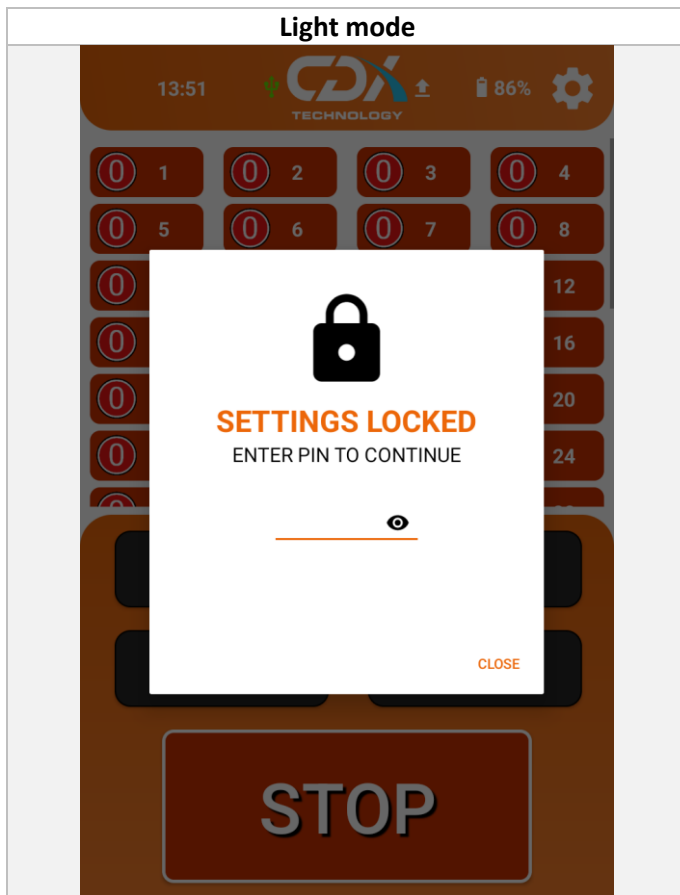


Figure 8: Settings PIN-code pop-up

Tap on  at the top right to enter the settings menu.

If the PIN-code is enabled, you need to fill in the PIN-code to enter the configuration menu.

- Enter the PIN-code you previously set.
- If you enter a wrong PIN-code, you will see the message "Incorrect pin". You must re-enter the PIN-code.
- If the 4-digit PIN-code is correct, you will be forwarded to the settings menu.

6.2 Settings menu

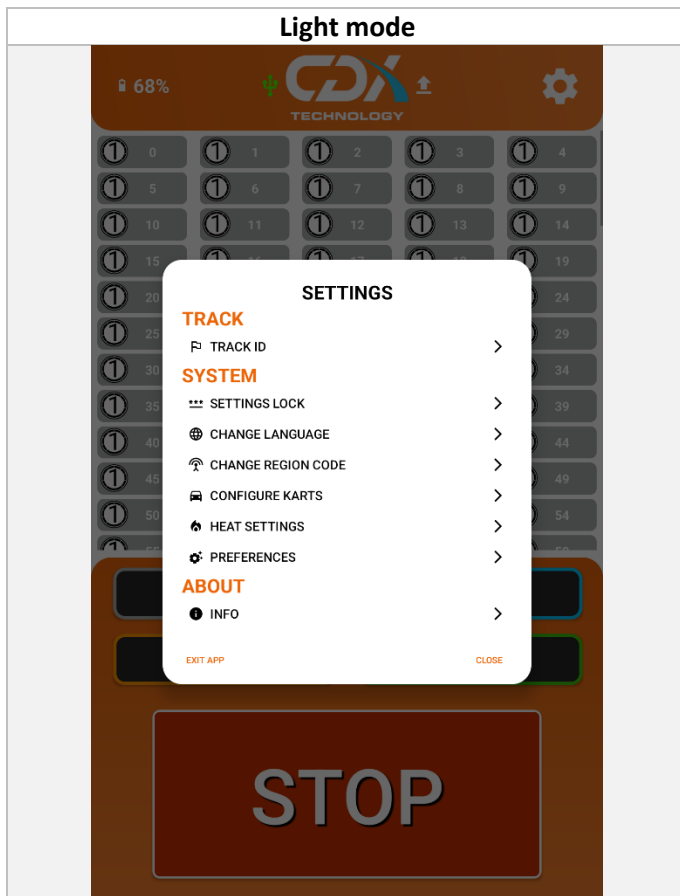


Figure 9: Settings menu

- To change the track configuration settings, tap on > TRACK ID
- To change the PIN-code, tap on > SETTINGS LOCK
- To change the language, tap on > CHANGE LANGUAGE
- To change the region, tap on > CHANGE REGION CODE
- To change displayed karts on the big screen user interface, tap on > CONFIGURE KARTS
- To change the heat settings, tap on > HEAT SETTINGS
- To change the theme, 8 speeds or kiosk mode, tap on > PREFERENCES
- To find information about the app, tap on > INFO

6.2.1 Track ID

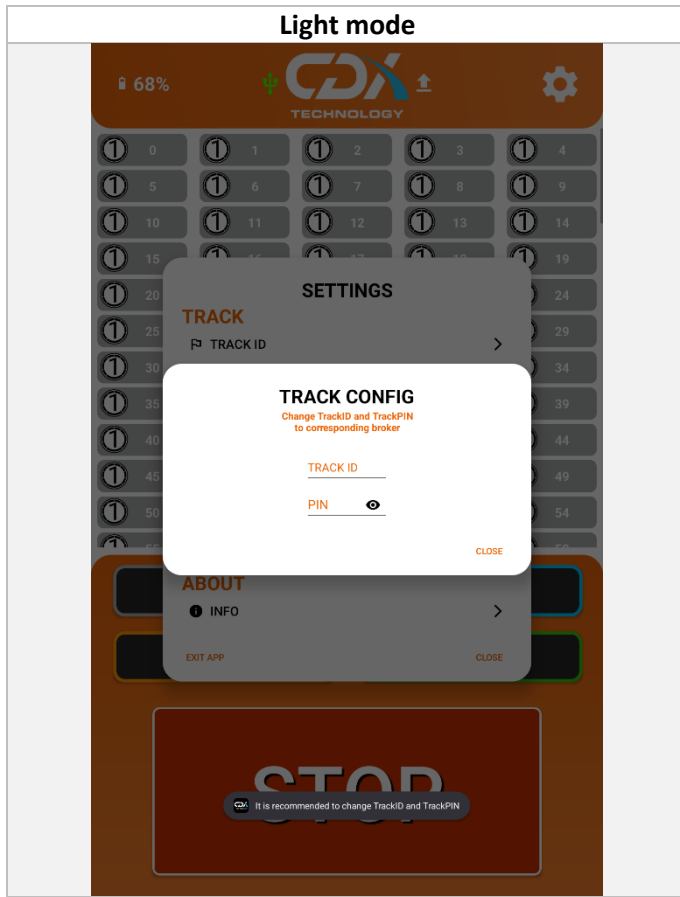


Figure 10: Track ID pop-up

In the track configurator you can link the correct Track ID and Track PIN-code. You can also use this to log-out and reset the app's current track. **It is recommended to change the Track ID and Track PIN-code to prevent misuse by third parties.** This way, kart tracks that have an overlap in radio signals will be separated and won't interfere with each other and/or abuse is prevented.

- To reveal the current PIN-code of the track tap on the  icon.
- After changing settings don't forget to click 'CONFIGURE' to save the Track ID and Track PIN-code on the device. (Track ID and Track PIN-code are encrypted on save).

IMPORTANT!

- Use this function only if radio signals from karting tracks overlap or in case of abuse.
- For proper use of the CDX system, you must choose both a Track ID and corresponding Track PIN-code. These settings must be applied on all CDX Remote Apps and all CDX Shutdown Controllers on the track.
- We recommend sharing the Track ID and Track PIN-code with authorized personnel only.
- The factory setting of the CDX EV Controllers- and the CDX Remote Apps Track ID are '0000'. If the TrackID on a CDX Shutdown Controllers is set to '0000' it will accept ALL Track ID's.

6.2.2 Settings lock

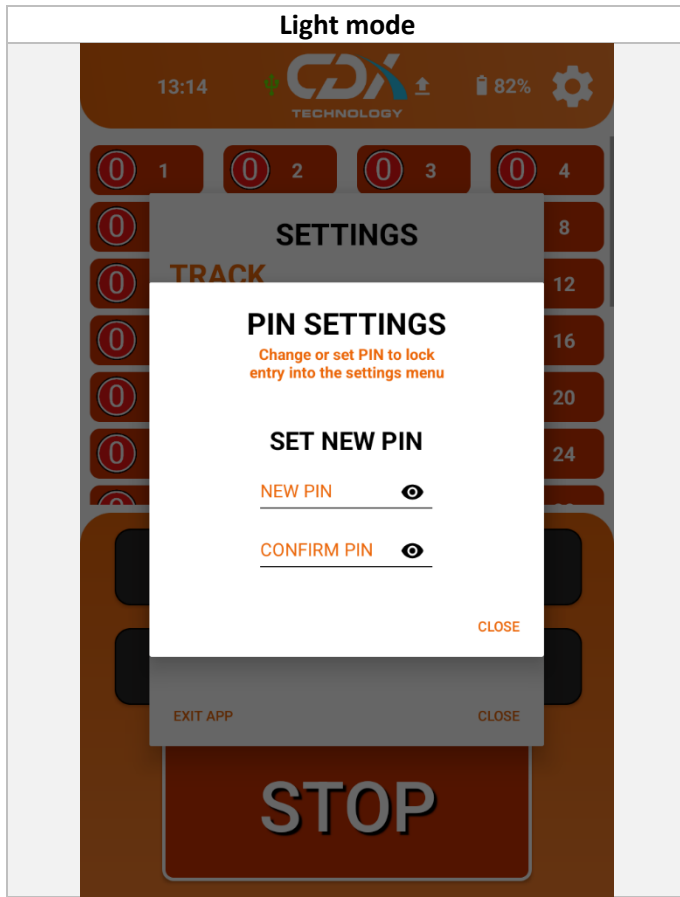


Figure 11: Settings lock pop-up

Here you can change the PIN-code that is used to get into this menu (settings).

- To reveal the current PIN-code tap on the  icon. If the PIN-code is '0000', the PIN-code is disabled.
- Enter a new PIN-code. The system will ask to confirm the pin by entering the same PIN-code again.
- To disable the PIN-code, set the PIN-code to '0000'.
- If both PIN-codes are equal. The PIN is encrypted and stored on the device.
- The CDX Remote App will return to the main page. When going to the settings, the new set PIN-code is required to enter the settings menu.

6.2.3 Change language

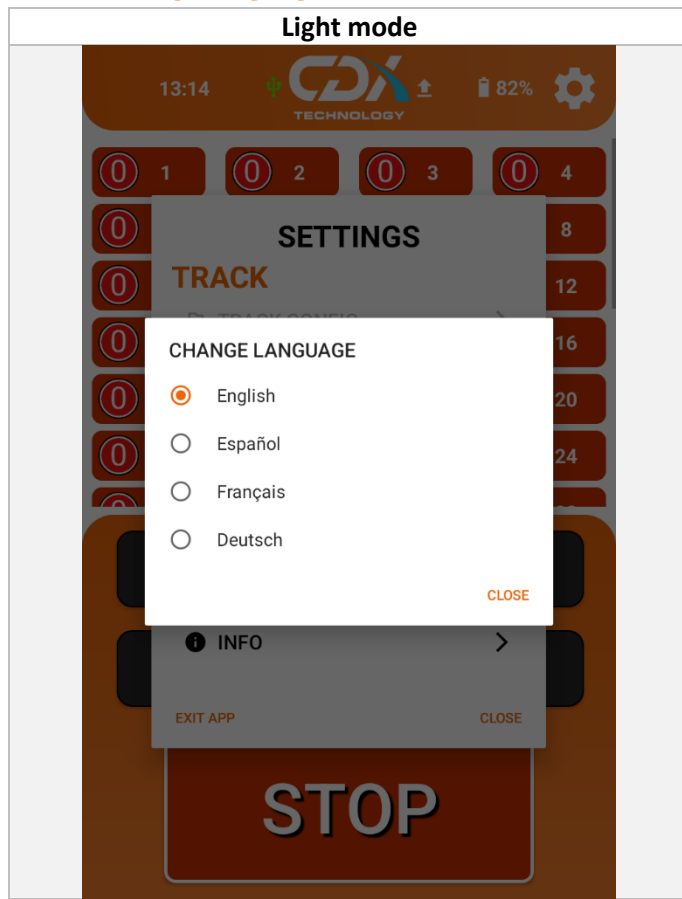


Figure 12: Language pop-up

To change the language of the CDX Remote App click on the desired language. The CDX Remote App will reboot with a new selected language.

Supported languages:

- English
- Español
- Français
- Deutsch

6.2.4 Change region code

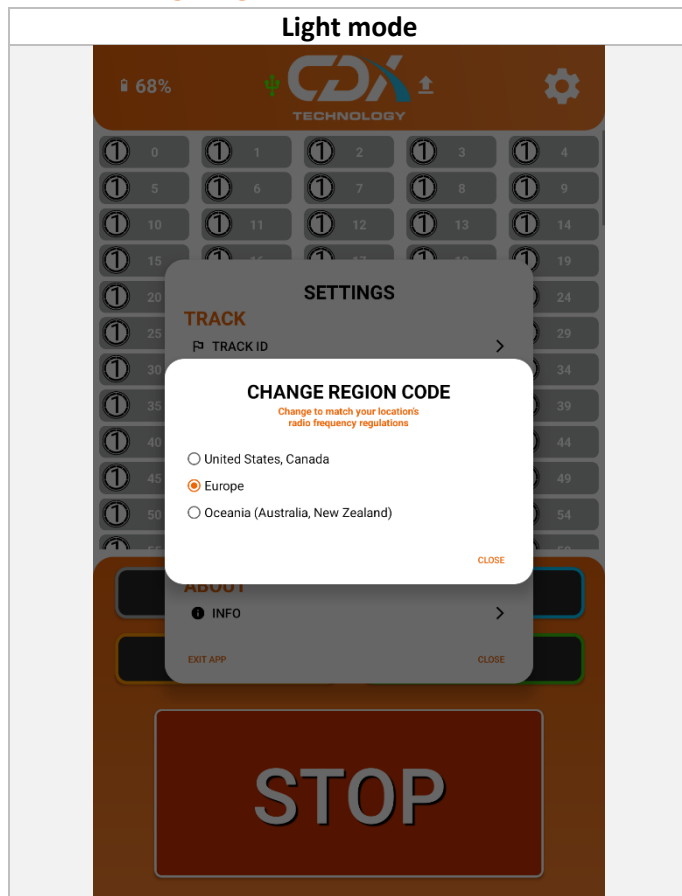


Figure 13: Change region code pop-up

To match the radio frequency in the region where you are located, the system must be set on the right region code. Click on the region where you are located United States or Europe. Then click on 'CLOSE' to secure the option.

6.2.5 Configure karts (big screen user-interface only)

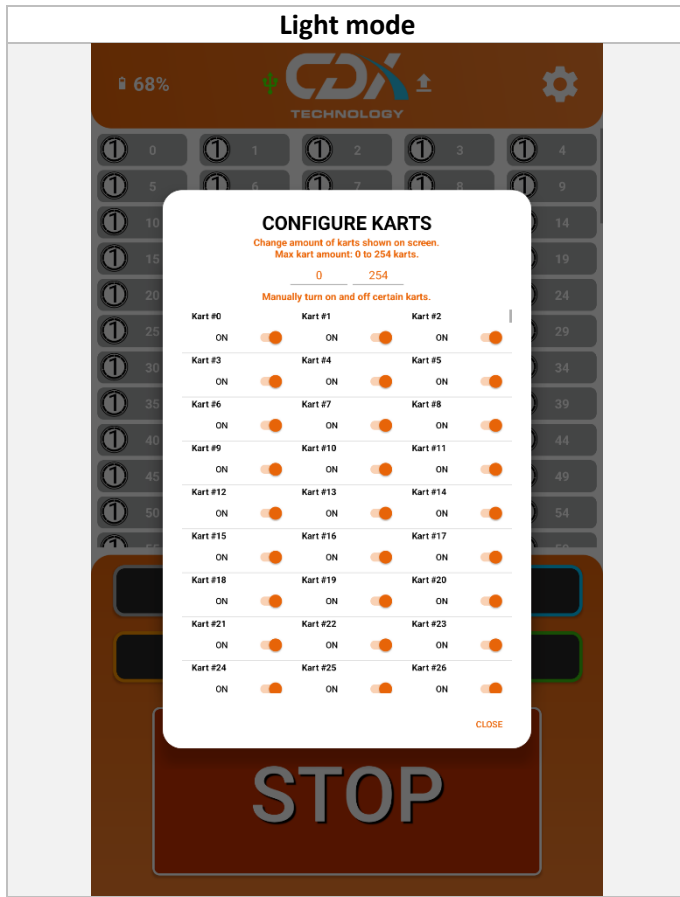


Figure 14: Configure karts pop-up

The amount of karts shown on the main screen can be adjusted. After clicking on 'CONFIGURE KARTS' the screen as shown in figure 14 will pop-up. The total amount and the number selection of the karts shown can be adjusted here.

To change the total amount of karts shown, type on the first underscore the lowest number (minimum of 0) of the karts that you want to see. Type on the second underscore the highest number (maximum of number 254). Click on 'CLOSE' in the bottom right corner to implement the selection.

To enable and disable karts from the active karts list, click on the switch to enable or disable a kart.

- When the switch is orange and to the right the kart is enabled.
- When the switch is grey and to the left the kart is disabled.

6.2.6 Preferences

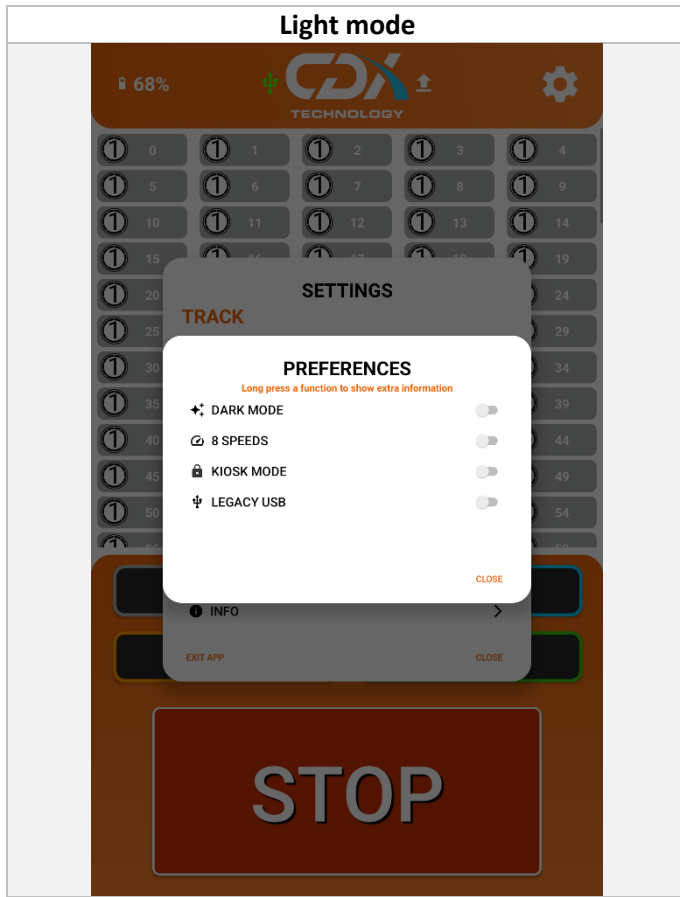


Figure 15: Preferences

On the preferences menu, you have the ability to customize the app.

- Enable or disable dark mode.
- Enable or disable 4/8 speed buttons.
- Enable or disable kiosk mode. Kiosk mode prevents the user from exiting the CDX Remote App. This function works best when the settings page has a PIN-code enabled.
- Enable or disable legacy USB. This is needed when using older hardware. Contact CDX Technology Support if you are not sure.

6.2.7 Information

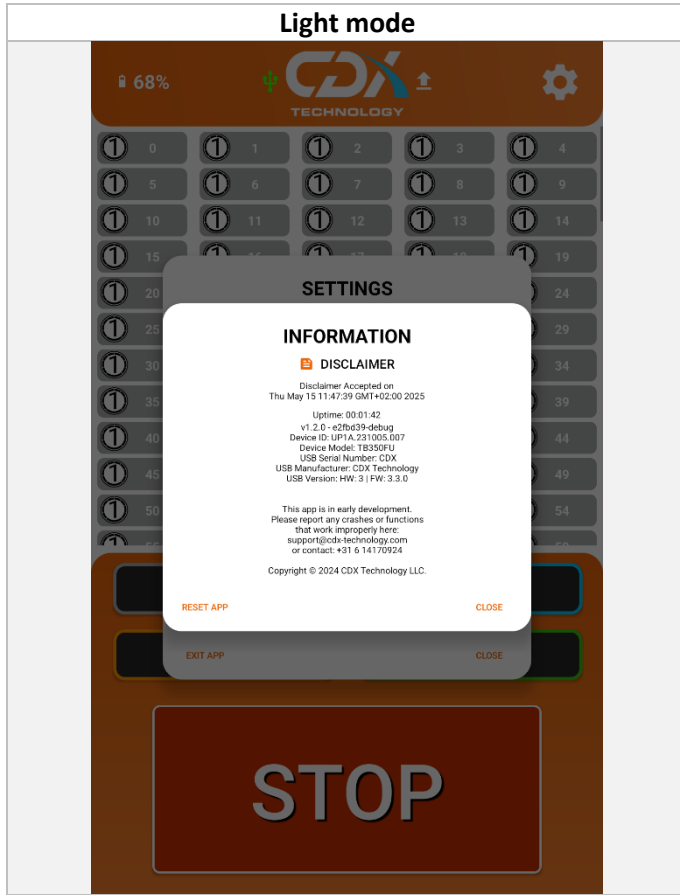


Figure 16: Information

In the 'INFO' menu you can find the 'Terms and Conditions' and system information about the app and device.

- By clicking the 'DISCLAIMER' button, there will be a pop-up screen with the product liability disclaimer.
- The date on which the disclaimer was accepted.
- Installed CDX Remote App version, example: V.1.0.0 (RC1), including the date of release.
- Support email address and mobile number for Whatsapp support only (calls will be rejected).
- Click on the 'RESET APP' button when the app is not functioning as normal.