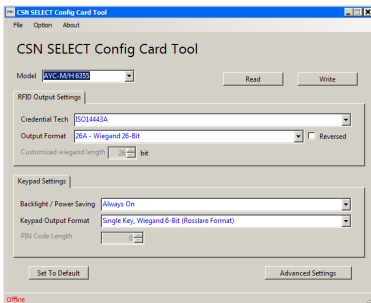


CS-CCT

Configuration Card Tool for the DR-6255

Software Manual



ROSSLARE
SECURITY PRODUCTS

Copyright © 2017 by Rosslare. All rights reserved.

This manual and the information contained herein are proprietary to ROSSLARE ENTERPRISES LIMITED and/or its related companies and/or subsidiaries' (hereafter: "ROSSLARE"). Only ROSSLARE and its customers have the right to use the information.

No part of this manual may be re-produced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of ROSSLARE.

ROSSLARE owns patents and patent applications, trademarks, copyrights, or other intellectual property rights covering the subject matter in this manual.

TEXTS, IMAGES, AND ILLUSTRATIONS INCLUDING THEIR ARRANGEMENT IN THIS DOCUMENT ARE SUBJECT TO THE PROTECTION OF COPYRIGHT LAWS AND OTHER LEGAL RIGHTS WORLDWIDE. THEIR USE, REPRODUCTION, AND TRANSMITTAL TO THIRD PARTIES WITHOUT EXPRESS WRITTEN PERMISSION MAY RESULT IN LEGAL PROCEEDINGS.

The furnishing of this manual to any party does not give that party or any third party any license to these patents, trademarks, copyrights or other intellectual property rights, except as expressly provided in any written agreement of ROSSLARE.

ROSSLARE reserves the right to revise and change this document at any time, without being obliged to announce such revisions or changes beforehand or after the fact.

Table of Contents

1. Introduction	7
2. Installation	8
2.1 PC Requirements.....	8
2.2 Installing the Application	8
2.3 Connecting the Reader.....	9
3. Main Window	10
3.1 Overview	10
3.2 Menu Bar	11
3.3 Select Model Dropdown	11
3.4 RFID Output Settings.....	12
3.5 Keypad Settings	13
3.6 Command Buttons.....	14
3.6.1 Advanced Settings.....	14
4. Function.....	27

List of Figures

Figure 1: Main Window	10
Figure 2: Advanced Settings > Input Tab	15
Figure 3: Advanced Settings > Input Tab > LED Control Settings	16
Figure 4: Advanced Settings > Input Tab > Buzzer Control Settings	19
Figure 5: Hold Control Settings.....	20
Figure 6: Advanced Settings > Read Tab.....	21
Figure 7: Advanced Settings > Standby Tab.....	24

List of Tables

Table 1: Menu Bar	11
Table 2: RFID Output Settings.....	12
Table 3: Keypad Settings	13
Table 4: Command Buttons.....	14
Table 5: Advanced Settings > Input Tab > LED Control Settings	17
Table 6: Advanced Settings > Input Tab > Buzzer Control Settings.....	19
Table 7: Advanced Settings > Read Tab	22
Table 8: Advanced Settings > Standby Tab	25

Notice and Disclaimer

This manual's sole purpose is to assist installers and/or users in the safe and efficient installation and usage of the system and/or product, and/or software described herein.

BEFORE ATTEMPTING TO INSTALL AND/OR USE THE SYSTEM, THE INSTALLER AND THE USER MUST READ THIS MANUAL AND BECOME FAMILIAR WITH ALL SAFETY REQUIREMENTS AND OPERATING PROCEDURES.

- The system must not be used for purposes other than those for which it was designed.
- The use of the software associated with the system and/or product, if applicable, is subject to the terms of the license provided as part of the purchase documents.
- This manual describes the maximum configuration of the system with the maximum number of functions, including future options. Therefore, not all functions described in this manual may be available in the specific system and/or product configuration you purchased.
- Incorrect operation or installation, or failure of the user to effectively maintain the system, relieves the manufacturer (and seller) from all or any responsibility for consequent noncompliance, damage, or injury.
- The text, images and graphics contained in the manual are for the purpose of illustration and reference only.
- All data contained herein is subject to change without prior notice.
- In no event shall manufacturer be liable for any special, direct, indirect, incidental, consequential, exemplary or punitive damages (including, without limitation, any and all damages from business interruption, loss of profits or revenue, cost of capital or loss of use of any property or capital or injury).
- All graphics in this manual are for reference only, some deviation between the image(s) and the actual product may occur.
- All wiring diagrams are intended for reference only, the photograph or graphic of the PCB(s) are intended for clearer illustration and understanding of the product and may differ from the actual PCB(s).

1. Introduction

The *CS-CCT Configuration Card Tool for the DR-6255* application is used to create a configuration card, which in turn can be used to configure the CSN SELECT™ readers.



The configuration card can only be created using a Rev. B version of the DR-6255 desktop reader and is used to configure only Rev. B versions of the CSN SELECT readers and controllers.

The application allows you to configure RFID output settings, keypad settings (for AYC models), input behavior for the LED, buzzer, and hold controls, and the behavior for the LED and buzzer when a credential is presented or when in Standby mode.

2. Installation

2.1 PC Requirements

The following are the minimum PC requirements needed for the software to run efficiently:

- Operating system: Windows XP/7/8/10
- Processor: Pentium 133 MHz minimum
- A free USB port

2.2 Installing the Application

1. Download the installation file:

a. Go to <http://www.rosslaresecurity.com>.

b. Log in to your account.

You are directed to the *Download Center* (also found in the Quick Links section).

c. In *Product*, select CSN SELECT family.



Product

d. In *Document Types*, select Software.

Document Types

e. Click **Search**.

In the search results, you'll see *CS-CCT Configuration Card Tool for the DR-6255*.

File	Product	Doc Type	Language	Download
 Private: CS-CCT Configuration Card Tool for the DR-6255 (CSN SELECT)	DR-6255 CSN SELECT Desktop Reader	Software	English	

f. Click the Download icon on the right.

The installation file is downloaded to your computer.

2. Double-click the setup file.

The installation package extracts the installation files. After the files are extracted, the welcome screen to the setup opens.

3. Follow the onscreen instructions to install the application.

2.3 Connecting the Reader

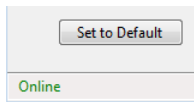
Once you've installed the application, you must verify that there is a connection between the reader and the software.

To connect the reader:

1. Connect the DR-6255 reader to the PC using the USB cable.
2. Double-click the *CS-CCT Configuration Card Tool for the DR-6255* icon or select the program from the Rosslare folder in the **Start** menu.

The application opens.

If the connection is successful, the software indicates on the bottom left of the screen that the connection was successful.



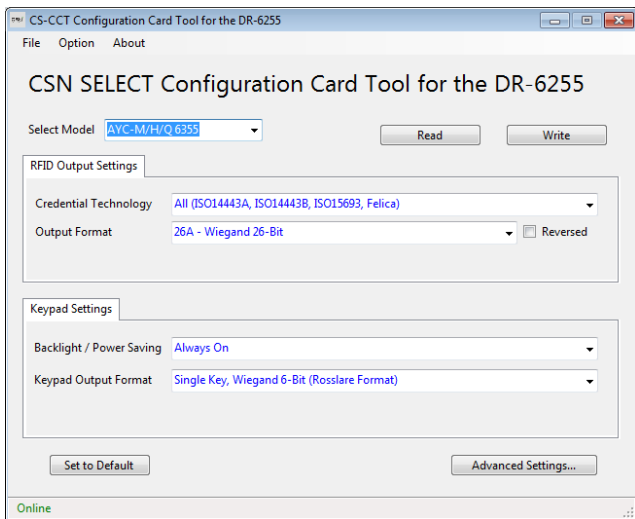
3. Main Window

3.1 Overview

The application allows you to configure RFID output settings, keypad settings (for AYC models), input behavior for the LED, buzzer, and hold controls, and the behavior for the LED and buzzer when a credential is presented and successfully read or when in Standby mode.

Figure 1 displays the main window.

Figure 1: Main Window



Main Window

The main window consists of the following:

- Menu Bar
- Select Model Dropdown
- RFID Output Settings section
- Keypad Settings section
- Command buttons

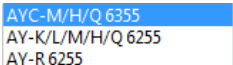
3.2 Menu Bar

The available menu options are shown in Table 1.

Table 1: Menu Bar

Menu	Submenu	Description
File	Open	Click to open a previous saved configuration file
	Save	Click to save the current configuration settings in the current file
	Save As	Click to save the current configuration settings as a new file
	Exit	Click to exit the application
Option	COM Port	Click to view/select the COM port the DR-6255 reader is connected to
	Language	Click to select the interface language
About	--	Click to read information about the program version and to view the License Agreement

3.3 Select Model Dropdown



AYC-M/H/Q 6355
AY-K/L/M/H/Q 6255
AY-R 6255

From the Select Model dropdown, select the reader model for which you wish to create a configuration card.

3.4 RFID Output Settings

Table 2 presents the fields in the RFID Output Settings area.

Table 2: RFID Output Settings

Field	Description
Credential Technology	<p>Use this dropdown to select which credential technology the reader recognizes.</p> <p>Options:</p> <div style="border: 1px solid black; padding: 5px;"> <p>All (ISO14443A, ISO14443B, ISO15693, Felicia)</p> <p>ISO14443A</p> <p>ISO14443B</p> <p>ISO15693</p> <p>Felica</p> <p>China ID Card</p> <p>Topaz</p> </div> <p><i>All (ISO14443A, ISO14443B, ISO15693, Felicia)</i> is the default option.</p>
Output Format	<p>Use this dropdown to select the output format of the reader.</p> <p>Options:</p> <div style="border: 1px solid black; padding: 5px;"> <p>26A - Wiegand 26-Bit</p> <p>32A - Wiegand 32-Bit</p> <p>34A - Wiegand 34-Bit</p> <p>40A - Wiegand 40-Bit</p> <p>56A - Wiegand 56-Bit</p> <p>64A - Wiegand 64-Bit</p> <p>Clock & Data</p> <p>Customized Wiegand</p> </div> <p><i>26A - Wiegand 26-Bit</i> is the default option.</p> <p>The Reversed checkbox is available only for pre-set Wiegand formats.</p>
Customized Wiegand Length	<p>This spin box is available only when the Output Format is set to Customized Wiegand.</p> <p>Range: 26–64</p>

3.5 Keypad Settings



The Keypad Settings area is visible for AYC models only.

Table 3 presents the fields in the Keypad Settings area.

Table 3: Keypad Settings

Field	Description
Backlight / Power Saving	<p>Use this dropdown to select the behavior of the backlight. Options:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Always Off</p> <p style="background-color: #0070C0; color: white;">Always On</p> <p>10 sec. backlight after a key is pressed otherwise off</p> <p>10 sec. backlight after a key is pressed otherwise dimmed</p> </div> <p><i>Always On</i> is the default option.</p>
Keypad Output Format	<p>Use this dropdown to select the keypad transmission format of the reader. Options:</p> <div style="border: 1px solid black; padding: 5px;"> <p style="background-color: #0070C0; color: white;">Single Key, Wiegand 6-Bit (Rosslare Format)</p> <p>Single Key, Wiegand 6-Bit with Nibble + Parity Bits</p> <p>Single Key, Wiegand 8-Bit, Nibbles Complemented</p> <p>4 Keys Binary + Facility code, Wiegand 26-Bit</p> <p>1 to 5 Keys + Facility code, Wiegand 26-Bit</p> <p>6 Keys Binary-Coded Decimal (BCD) and Parity Bits, Wiegand 26-Bit</p> <p>1 to 8 Keys BCD, Clock & Data</p> <p>Single key, Wiegand 4-Bit</p> </div> <p><i>Single Key, Wiegand 6-Bit (Rosslare Format)</i> is the default option.</p>
PIN Code Length	<p>This spin box is available only when the Keypad Output Format is set to 1 to 8 Keys BCD, Clock & Data. Range: 1–8</p>

3.6 Command Buttons

Table 4 presents the command buttons in the main window.

Table 4: Command Buttons

Field	Description
Read	Loads the current settings of the card
Write	Writes the configured settings to the card
Set to Default	Sets all fields to default settings
Advanced Settings	Opens the <i>Advance Settings</i> window

3.6.1 Advanced Settings

The *Advanced Settings* tab is used to set input behavior, Active LED and Active Buzzer behavior, and Standby LED behavior.

The *Advanced Settings* window contains three tabs:

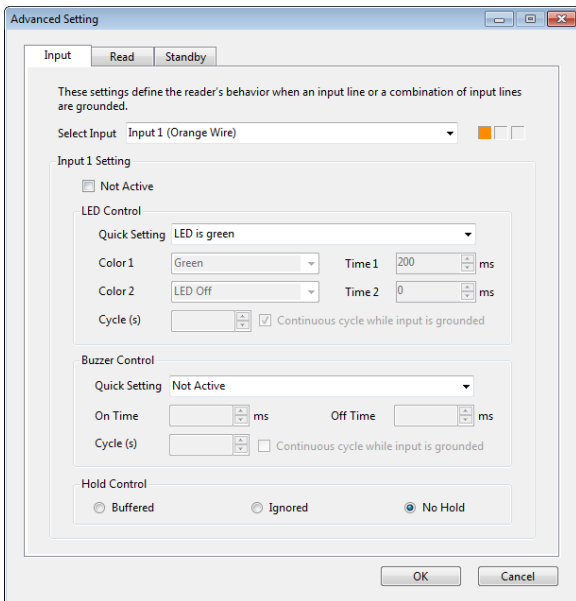
- *Input* tab (Section 3.6.1.1)
- *Read* tab (Section 3.6.1.2)
- *Standby* tab (Section 3.6.1.3)

3.6.1.1 Input Tab

The *Input* tab is used to set the behavior for the LED, buzzer, and hold controls when the relevant input wires are connected to ground.

The *Input* tab is shown in Figure 2 and described in the following subsections.

Figure 2: Advanced Settings > Input Tab



SELECT INPUT

Use the *Select Input* dropdown to select the input for which you wish to set the various controls.

- Input 1 (Orange Wire)
- Input 2 (Brown Wire)
- Input 3 (Yellow Wire)
- Input 1 + Input 2
- Input 1 + Input 3
- Input 2 + Input 3
- Input 1 + Input 2 + Input 3

For each input option, you can select the Not Active checkbox to deactivate that input.

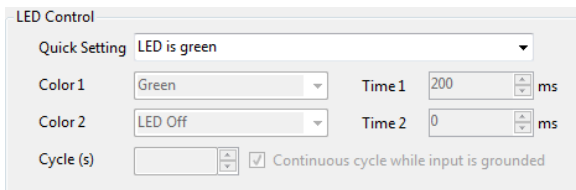
LED CONTROL

The LED Control options allow you to configure the behavior of the reader's LEDs. A quick setting dropdown allows you to select from a list of common pre-configured settings. For example, selecting **LED is green** makes the LED stay green when an input event occurs. You can also use the Customized Setting option to create your own LED behavior.

The LED behavior is controlled by cycles. A single cycle consists of Color 1 for the length of Time 1 followed by Color 2 for the length of Time 2. You may select the number of cycles that repeat when an input event occurs.

The LED control settings are shown in Figure 3 and described in Table 5.

Figure 3: Advanced Settings > Input Tab > LED Control Settings



The screenshot shows the 'LED Control' settings panel. It includes a 'Quick Setting' dropdown menu set to 'LED is green'. Below this are two rows for 'Color 1' and 'Color 2', each with a dropdown menu and a corresponding 'Time' field with a numeric spinner and 'ms' unit. 'Color 1' is set to 'Green' and 'Time 1' is 200. 'Color 2' is set to 'LED Off' and 'Time 2' is 0. At the bottom, there is a 'Cycle (s)' field with a numeric spinner and a checked checkbox labeled 'Continuous cycle while input is grounded'.

Setting	Value	Unit
Quick Setting	LED is green	
Color 1	Green	
Time 1	200	ms
Color 2	LED Off	
Time 2	0	ms
Cycle (s)		
Continuous cycle while input is grounded	<input checked="" type="checkbox"/>	

Table 5: Advanced Settings > Input Tab > LED Control Settings

Field	Description
Quick Setting	<p>A list of pre-set LED control behaviors</p> <p>For non-AY-R6255 models:</p> <ul style="list-style-type: none"> Not Active LED is red LED flashes red LED is green LED flashes green LED is orange LED flashes orange LED flashes red once LED flashes red and green Customized Setting <p>For AY-R6255 models:</p> <ul style="list-style-type: none"> Not Active LED is red LED flashes red LED is green LED flashes green LED is orange LED flashes orange LED is blue LED flashes blue LED is purple LED flashes purple LED is cyan LED flashes cyan LED is white LED flashes white LED flashes red once LED flashes red and green Customized Setting
Color 1	<p>The color of the LED during the first part of the cycle</p> <p>Options: LED Off, Green, Red, Orange</p> <p>For AY-R6255, additional colors of Blue, Purple, Cyan, White</p>

Main Window

Field	Description
Color 2	The color of the LED during the second part of the cycle Options: LED Off, Green, Red, Orange For AY-R6255, additional colors of Blue, Purple, Cyan, White
Time 1	The length of time Color 1 stays on during the first part of the cycle Range: 0 to 25500
Time 2	The length of time Color 2 stays on during the second part of the cycle Range: 0 to 25500
Cycle	The number of times this cycle is repeated (number of times the LED flashes) Range: 1 to 254, or Continuous cycle while input is grounded checkbox

Each quick setting specifies whether the relevant LED either stays lit or continues to flash if the input is connected to ground. Only once the input is disconnected from ground does that LED return to Standby mode.

If Custom Setting is selected from the *Quick Setting* dropdown, you can customize the settings of the five available fields.

LED Control

Quick Setting: Customized Setting

Color 1: Red Time 1: 200 ms

Color 2: LED Off Time 2: 0 ms

Cycle (s): 1 Continuous cycle while input is grounded

BUZZER CONTROL

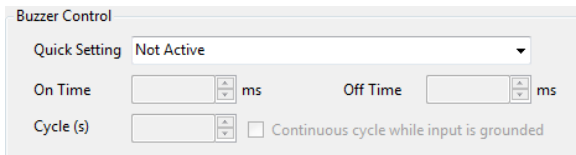
The Buzzer Control options allow you to configure the behavior of the reader's buzzer. A quick setting dropdown allows you to select from a list of common pre-configured settings. For example, selecting **Two**

Short Beeps makes the buzzer produce two short beeps when an input event occurs. You can also use the Customized Setting option to create your own buzzer behavior.

The buzzer behavior is controlled by cycles. A single cycle consists of On Time during which the buzzer sounds followed by Off Time during which the buzzer is silent. You may select the number of cycles that repeat when an input event occurs.

The buzzer control settings are shown in Figure 4 and described in Table 6.

Figure 4: Advanced Settings > Input Tab > Buzzer Control Settings



Buzzer Control

Quick Setting Not Active

On Time [] ms Off Time [] ms

Cycle (s) [] Continuous cycle while input is grounded

Table 6: Advanced Settings > Input Tab > Buzzer Control Settings

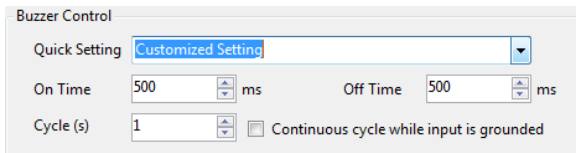
Field	Description
Quick Setting	A list of pre-set buzzer control behaviors <ul style="list-style-type: none">Not ActiveContinuous ToneRepeated Short BeepRepeated Medium BeepRepeated Long BeepOne Short BeepTwo Short BeepsOne Long BeepCustomized Setting
On Time	The length of time the reader beeps Range: 0 to 25500
Off Time	The length of time the buzzer does not beep Range: 0 to 25500

Main Window

Field	Description
Cycle	The number of times this cycle is repeated (number of beeps) Range: 1 to 254, or Continuous cycle while input is grounded checkbox

Each quick setting specifies how the buzzer behaves when the input is connected to ground. The buzzer stops this behavior only when the input is disconnected from ground.

If Custom Setting is selected from the *Quick Setting* dropdown, you can customize the settings of the three available fields.



Buzzer Control

Quick Setting: Customized Setting

On Time: 500 ms Off Time: 500 ms

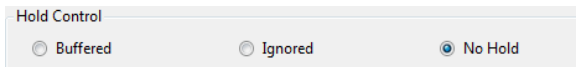
Cycle (s): 1 Continuous cycle while input is grounded

HOLD CONTROL

When the hold control is active, no credential data is sent on the Wiegand lines. However, the reader continues to buffer the last card ID read and sends that ID data when the hold control is de-activated.

The three hold control settings are shown in Figure 5.

Figure 5: Hold Control Settings



Hold Control

Buffered Ignored No Hold

- **Buffered** – When a credential is read in this state, no data is sent on the Wiegand lines; however, the reader continues to buffer the last card ID read and sends that ID data when the hold control line is released.
- **Ignored** – When a credential is read in this state, no data is recorded from the credential or sent on the Wiegand lines.
- **No Hold** – Hold function is disabled

3.6.1.2 Read Tab

The *Read* tab is used to set the behavior for the LEDs and buzzer when a credential is presented.

The *Read* tab is shown in Figure 6 and described in Table 7.

Figure 6: Advanced Settings > Read Tab

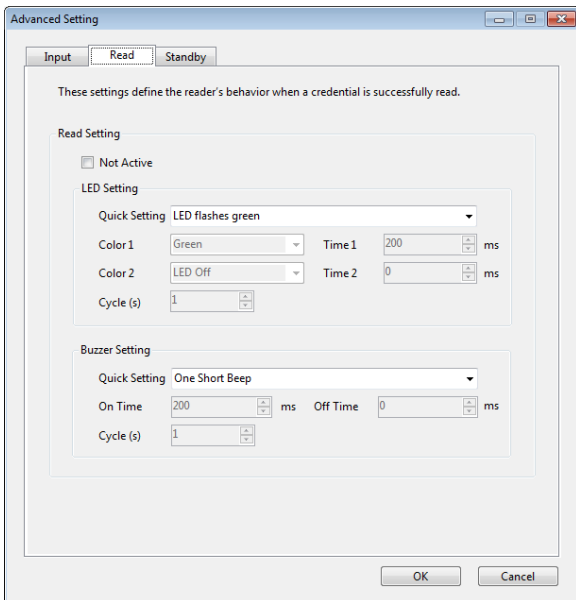
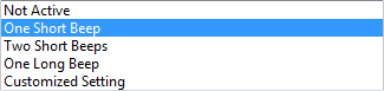


Table 7: Advanced Settings > Read Tab

Field	Description
Not Active	Select the checkbox to de-activate both LED and Control functions.
LED Setting > Quick Setting	<p>A list of pre-set read LED settings</p> <p>For non-AY-R6255 models:</p> <div data-bbox="428 372 930 515" style="border: 1px solid black; padding: 5px;"> <p>Not Active LED flashes red LED flashes green LED flashes orange LED flashes red twice Customized Setting</p> </div> <p>For AY-R6255 models:</p> <div data-bbox="428 564 930 797" style="border: 1px solid black; padding: 5px;"> <p>Not Active LED flashes red LED flashes green LED flashes orange LED flashes blue LED flashes purple LED flashes cyan LED flashes white LED flashes red twice Customized Setting</p> </div>
LED Setting > Color 1	<p>The color of the LED during the first part of the cycle</p> <p>Options: LED Off, Green, Red, Orange</p> <p>For AY-R6255, additional colors of Blue, Purple, Cyan, White</p>
LED Setting > Color 2	<p>The color of the LED during the second part of the cycle</p> <p>Options: LED Off, Green, Red, Orange</p> <p>For AY-R6255, additional colors of Blue, Purple, Cyan, White</p>
LED Setting > Time 1	<p>The length of time Color 1 stays on during the first part of the cycle</p> <p>Range: 0 to 25500</p>

Main Window

Field	Description
LED Setting > Time 2	The length of time Color 2 stays on during the second part of the cycle Range: 0 to 25500
LED Setting > Cycle	The number of times this cycle is repeated (number of times the LED flashes) Range: 1 to 255
Buzzer Setting > Quick Setting	A list of pre-set read buzzer settings 
Buzzer Setting > On Time	The length of time the reader beeps Range: 0 to 25500
Buzzer Setting > Off Time	The length of time the buzzer does not beep Range: 0 to 25500
Buzzer Setting > Cycle	The number of times this cycle is run (number of beeps) Range: 1 to 255

3.6.1.3 Standby Tab

The Standby tab is used to set the behavior of the reader when it is in Standby mode.

The *Standby* tab is shown in Figure 7 and described in Table 8.

Figure 7: Advanced Settings > Standby Tab

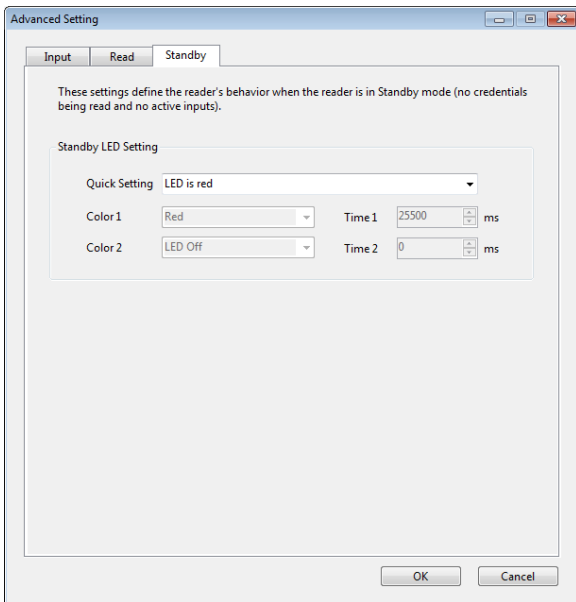


Table 8: Advanced Settings > Standby Tab

Field	Description
Quick Setting	<p>A list of pre-set standby LED settings</p> <p>For non-AY-R6255 models:</p> <div data-bbox="430 299 928 503" style="border: 1px solid black; padding: 5px;"> <p>LED off</p> <p>LED is red</p> <p>LED flashes red</p> <p>LED is green</p> <p>LED flashes green</p> <p>LED is orange</p> <p>LED flashes orange</p> <p>LED flashes red and green</p> <p>Customized Setting</p> </div> <p>For AY-R6255 models:</p> <div data-bbox="430 554 928 1115" style="border: 1px solid black; padding: 5px;"> <p>LED off</p> <p>Color Cycling</p> <p>LED is red</p> <p>LED is red with dimming</p> <p>LED flashes red</p> <p>LED is green</p> <p>LED is green with dimming</p> <p>LED flashes green</p> <p>LED is orange</p> <p>LED is orange with dimming</p> <p>LED flashes orange</p> <p>LED is blue</p> <p>LED is blue with dimming</p> <p>LED flashes blue</p> <p>LED is purple</p> <p>LED is purple with dimming</p> <p>LED flashes purple</p> <p>LED is cyan</p> <p>LED is cyan with dimming</p> <p>LED flashes cyan</p> <p>LED is white</p> <p>LED is white with dimming</p> <p>LED flashes white</p> <p>LED flashes red and green</p> <p>Customized Setting</p> </div>
Color 1	<p>The color of the LED in the first part of the cycle when the reader is in Standby mode.</p> <p>Options: LED Off, Green, Red, Orange</p> <p>For AY-R6255, additional colors of Blue, Purple, Cyan, White</p>

Main Window

Field	Description
Color 2	The color of the LED in the second part of the cycle when the reader is in Standby mode. Options: LED Off, Green, Red, Orange For AY-R6255, additional colors of Blue, Purple, Cyan, White
Time 1	The length of time Color 1 stays on Range: 0 to 25500
Time 2	The length of time Color 2 stays on Range: 0 to 25500

4. Function



The configuration card can only be created using a Rev. B version of the DR-6255 desktop reader and is used to configure only Rev. B versions of the CSN SELECT readers and controllers.

Once you have finished setting all the various options in the application, you can create a configuration card, which in turn is used to configure the CSN SELECT readers.

To create a configuration card:

1. Set all the options described in Chapter 3 in the Configuration Card Tool.
2. Connect the DR-6255 reader.
3. Place the configuration card on the DR-6255 reader.
4. Click **Write**.

A progress bar appears in the application. When writing the card finishes successfully, you hear 3 short beeps.



If writing the card fails, you hear a long beep. Remove the card repeat Steps 3 and 4.

To configure the CSN SELECT readers:

1. Remove power from the CSN SELECT reader that you wish to configure.
2. Apply power to the reader.

Within 10 seconds, present the configuration card to the reader.

When the reader accepts the settings from the configuration card, you hear 3 short beeps.



CS-CCT

Asia Pacific, Middle East, Africa

Rosslare Enterprises Ltd.

Kowloon Bay, Hong Kong

Tel: +852 2795-5630

Fax: +852 2795-1508

support.apac@rosslaresecurity.com

United States and Canada

Rosslare Security Products, Inc.

Southlake, TX, USA

Toll Free: +1-866-632-1101

Local: +1-817-305-0006

Fax: +1-817-305-0069

support.na@rosslaresecurity.com

Europe

Rosslare Israel Ltd.

22 Ha'Melacha St., P.O.B. 11407

Rosh HaAyin, Israel

Tel: +972 3 938-6838

Fax: +972 3 938-6830

support.eu@rosslaresecurity.com

Latin America

Rosslare Latin America

Buenos Aires, Argentina

Tel: +54-11-4001-3104

support.la@rosslaresecurity.com

China

Rosslare Electronics (Shenzhen) Ltd.

Shenzhen, China

Tel: +86 755 8610 6842

Fax: +86 755 8610 6101

support.cn@rosslaresecurity.com

India

Rosslare Electronics India Pvt Ltd.

Tel/Fax: +91-20-40147830

Mobile: +91-9975768824

sales.in@rosslaresecurity.com

ROSSLARE
SECURITY PRODUCTS



• EN ISO 13485



0706-0960640+00