



OPEN OPTIONS[®]
— ACCESS TECHNOLOGY —

ACT ID Quick Start Guide



This manual is proprietary information of Open Options, LLC. Unauthorized reproduction or distribution of this manual is strictly forbidden without the written consent of Open Options, LLC. The information contained in this manual is for informational purposes only and is subject to change at any time without notice. Open Options, LLC. assumes no responsibility for incorrect or outdated information that may be contained in this publication.

DNA Fusion™ and SSP™ are trademarks of Open Options, LLC.

The DNA Fusion™ Access Control Software and SSP™ Security System Processor use equipment that generates, uses, and radiates radio frequency energy. If not installed and deployed in accordance with the guidelines of this installation manual, they may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, in which case the user will be required to correct the interference at their own expense.

The DNA Fusion™ Access Control Software and SSP™ Security System Processor shall be installed in accordance with this installation manual and in accordance with the National Electric Code (N.E.C), ANSI and NFPA 70 Regulations and recommendations.

Publish Date: December 30, 2020

Manual Number: AIQSG-1.0

© Copyright 2002-2020 Open Options, LLC. All rights reserved.

Warranty

All Open Options products are warranted against defect in materials and workmanship for two years from the date of shipment. Open Options will repair or replace products that prove defective and are returned to Open Options within the warranty period with shipping prepaid. The warranty of Open Options products shall not apply to defects resulting from misuse, accident, alteration, neglect, improper installation, unauthorized repair, or acts of God. Open Options shall have the right of final determination as to the existence and cause of the defect. No other warranty, written or oral is expressed or implied.



16650 Westgrove Dr | Suite 150

Addison, TX 75001

Phone: (972) 818-7001

Fax (972) 818-7003

www.ooaccess.com

Open Options Software License Agreement

THE ENCLOSED SOFTWARE PACKAGE IS LICENSED BY OPEN OPTIONS, LLC. TO CUSTOMERS FOR THEIR NON-EXCLUSIVE USE ON A COMPUTER SYSTEM PER THE TERMS SET FORTH BELOW.

DEFINITIONS: Open Options shall mean Open Options, LLC, which has the legal right to license the computer application known as DNA Fusion herein known as the Software. Documentation shall mean all printed material included with the Software. Licensee shall mean the end user of this Open Options Software. This Software Package consists of copyrighted computer software and copyrighted user reference manual(s).

LICENSE: Open Options, LLC, grants the licensee a limited, non-exclusive license (i) to load a copy of the Software into the memory of a single (one) computer as necessary to use the Program, and (ii) to make one (1) backup or archival copy of the Software for use with the same computer. The archival copy and original copy of the Software are subject to the restrictions in this Agreement and both must be destroyed or returned to Open Options if your continued possession or use of the original copy ceases or this Agreement is terminated.

RESTRICTIONS: Licensee may not sub license, rent, lease, sell, pledge or otherwise transfer or distribute the original copy or archival copy of the Software or the Documentation. Licensee agrees not to translate, modify, disassemble, decompile, reverse engineer, or create derivative works based on the Software or any portion thereof. Licensee also may not copy the Documentation. The license automatically terminates without notice if Licensee breaches any provision of this Agreement.

TRANSFER RIGHTS: Reseller agrees to provide this license and warranty agreement to the end user customer. By installation of the software, the end user customer and reseller agree to be bound by the license agreement and warranty.

LIMITED WARRANTY: Open Options warrants that it has the sole right to license the Software to Licensee. Upon registration by the Licensee, Open Options further warrants that the media on which the Software is furnished will be free from defects in materials and workmanship under normal use for a period of twelve (12) months following the delivery of the Software to the Licensee. Open Options' entire liability and your exclusive remedy shall be the replacement of the Software if the media on which the Software is furnished proves to be defective. EXCEPT AS PROVIDED IN THIS SECTION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. IN PARTICULAR, EXCEPT AS PROVIDED IN THIS SECTION, WITH RESPECT TO ANY PARTICULAR APPLICATION, USE OR PURPOSE, LICENSOR DOES NOT WARRANT THAT THE PRODUCTS WILL MEET THE LICENSEE'S REQUIREMENTS, THAT THE PRODUCTS WILL OPERATE IN THE COMBINATIONS OF 3RD PARTY SOFTWARE WHICH THE LICENSEE MAY SELECT TO USE, OR THAT THE OPERATION OF THE PRODUCTS WILL BE UNINTERRUPTED OR ERROR FREE. NEITHER OPEN OPTIONS, NOR ITS VENDORS SHALL BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS, NOR FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER UNDER THIS AGREEMENT OR OTHERWISE. IN NO CASE SHALL OPEN OPTIONS' LIABILITY EXCEED THE PURCHASE PRICE OF THE SOFTWARE.

The disclaimers and limitations set forth above will apply regardless of whether you accept the Software.

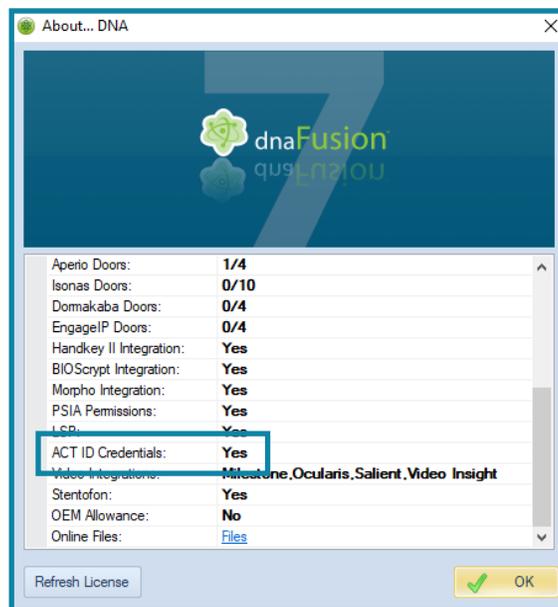
TERMINATION: Open Options may terminate this license at any time if licensee is in breach of any of its terms or conditions. Upon termination, licensee will immediately destroy the Software or return all copies of the Software to Open Options, along with any copies licensee has made.

APPLICABLE LAWS: This Agreement is governed by the laws of the State of Texas, including patent and copyright laws. This Agreement will govern any upgrades, if any, to the program that the licensee receives and contains the entire understanding between the parties and supersedes any proposal or prior agreement regarding the subject matter hereof.

ACT ID: Quick Start Guide

This guide explains how to use the Open Options ACT ID credential app through the WaveLynx Ethos reader. The ACT ID is available for both Android and Apple IOS devices. The WaveLynx reader is capable of accepting Proximity (125 kHz), Smart (13.56 MHz), NFC (Android), and BLE (IOS) credentials. All Ethos readers are OSDP compliant and enabled for Secure Channel and remote firmware upgrades.

Ensure that the ACT ID Credentials license is enabled for DNA Fusion. To check for the license, click on Help on the Main Menu in DNA Fusion.



Installation

Step 1: Configuring the WaveLynx Ethos - The Ethos reader can either use wiegand or OSDP protocols. The reader is wired to a reader port.

Step 2: Downloading the ACT ID Application - Download the app either through Google Play or the Apple App Store.

Step 3: Assigning a Credential - Add the cardholder information to the application. Ensure that the mobile device has NFC or BLE (Bluetooth Low-energy) enabled so the reader can accept the credential.

Step 4: Configuring the ACT ID on DNA Fusion - Create a new card format so that the DNA Fusion system can recognize the ACT ID credential.

Configuring the WaveLynx Ethos

The WaveLynx Ethos ET10-6, ET10-7, ET20-6, ET20-7, ET25-6, and ET25-7 are capable of reading mobile credentials.

WaveLynx Ethos Specifications

Below are the reader specifications for the WaveLynx Ethos reader.

READER FREQUENCY	MODEL ET10 (MULLION)	MODEL ET20 (SINGLE GANG)	MODEL ET25 (KEYPAD)
13.56 Mhz	ET10-2	ET20-2	ET25-2
125 kHz & 13.56 MHz	ET10-3	ET20-3	ET25-3
13.56 MHz & Mobile	ET10-6	ET20-6	ET25-6
125 kHz & 13.56 MHz & Mobile	ET10-7	ET20-7	ET25-7
Current	106 mA average, 144 mA peak	118 mA average, 169 mA peak	143 mA average, 193 mA peak
Voltage	5-16 Vdc		
Temperature	ULTM tested -35° to 66° C and EN -40° to 70°C and 95% humidity		

Status LEDs

CREDENTIAL METHOD	LED SEQUENCE
BLE (IOS)	Beeper silent, RED LED on for 500 milliseconds
HF	Beeper silent, GREEN LED on for 500 milliseconds
Proximity	Beeper silent, AMBER LED on for 500 milliseconds
Wiegand	Beep and flash, RED LED once for 200 milliseconds
OSDP	Beep and flash GREEN LED twice for 200 milliseconds each
Auto-Detect	Beep and flash GREEN LED 4 times for 200 milliseconds each

Wiring the WaveLynx Ethos

WAVELYNX ETHOS	WIRE COLOR
Power IN	RED
Ground	BLACK
Shield Ground	BARE
Tamper Out	BROWN
D0	GREEN
D1	WHITE
Beeper Control	YELLOW
Green LED Control	BLUE
Red LED Control	ORANGE

Wiegand Connections

Wiring the WaveLynx to a reader port:

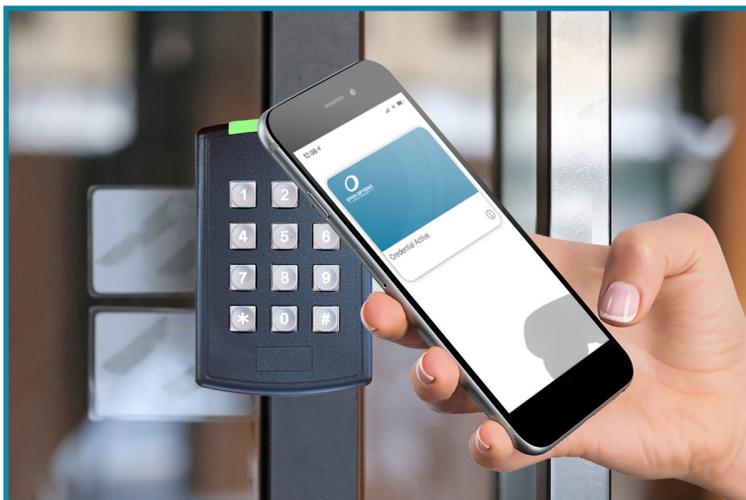
1. **Wire** the Power IN wire (RED) to the power out terminal.
2. **Wire** the Ground wire (BLACK) to the ground terminal.
3. **Wire** the D0 wire (GREEN) to the Data terminal.
4. **Wire** the D1 wire (WHITE) to the Clock terminal.
5. If needed, **wire** the Beeper Control wire (BLUE) to the buzzer terminal.
6. If needed, **wire** the Green/Red LED Control to the LED terminal.

OSDP Connections

1. **Wire** the Power IN wire (RED) to the power out terminal.
2. **Wire** the Ground wire (BLACK) to the ground terminal.
3. **Wire** the D0 wire (Green) to the Clock terminal.
4. **Wire** the D1 wire (White) to the Data terminal.

Downloading the ACT ID Application

The Open Options ACT ID app is downloaded from the Google Play store and the Apple App Store. ACT ID is a mobile application. ACT ID stores a unique ID and communicates to DNA Fusion securely for authentication. ACT ID features zero-touch, cloud-issued credentials for direct enrollment into DNA Fusion.



To download the ACT ID app:

5. **Open** Google Play or the App Store.
6. **Search** for the Open Options ACT ID app and **download** the app.
7. Once the application is downloaded, **open** ACT ID app  to start creating a new credential.

Assigning a Credential

Each desired cardholder is required to have a Personnel Profile set in DNA Fusion.

To configure a credential in the ACT ID:

1. **Open** the ACT ID app.
2. **Create** a ACT ID PIN.

○ ○ ○ ○ ○ ○

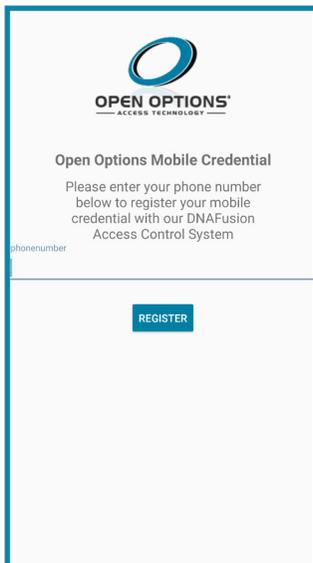
Create a New ACT ID PIN

This PIN will be used to secure your ACT ID Credential



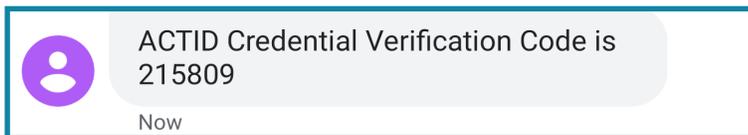
1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
	0	B

- 3. **Enter** a mobile phone number.

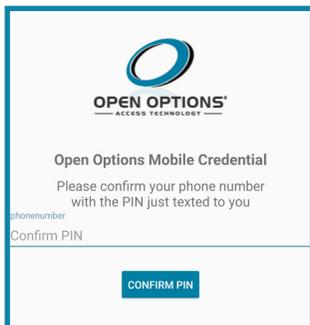


Note: Ensure that Android or IOS devices have either NFC or BLE capabilities.

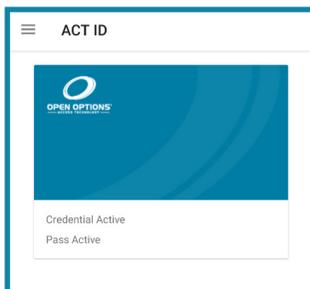
- 4. **Tap** on REGISTER.
A verification code is sent to the mobile phone number entered in the step above.



- 5. **Copy** and **paste** the Verification Code into the Confirm PIN screen.



- 6. **Tap** on CONFIRM PIN.
Once th PIN is confirmed, a Pass ID is issued. Ensure that NFC or BLE is enabled for the credential to be read.



Configuring the ACT ID on DNA Fusion

Once an ACT ID credential is created, the operator must create a new card format in DNA Fusion. The ACT ID Card Format ensures that the cardholder's ACT ID credential is recognized in DNA Fusion.

Adding the ACT Card Format

To create the ACT ID Card Format:

1. **Right-click** on the desired SSP and **select** Card Formats.

The Card Format Dialog opens.

2. **Click** New and **enter** the correct bit quantities:

Card Flags - 2

Bits Quantity - 32

Facility Code - 0 Starting at - 0

Cardholder ID - 32 Starting at - 0

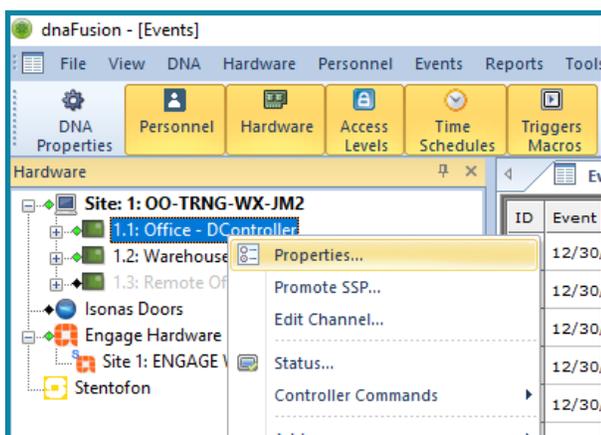
Even Parity Bits - 0 Starting at - 0

Odd Parity Bits - 0 Starting at - 0

Assigning the Card Format to a Controller

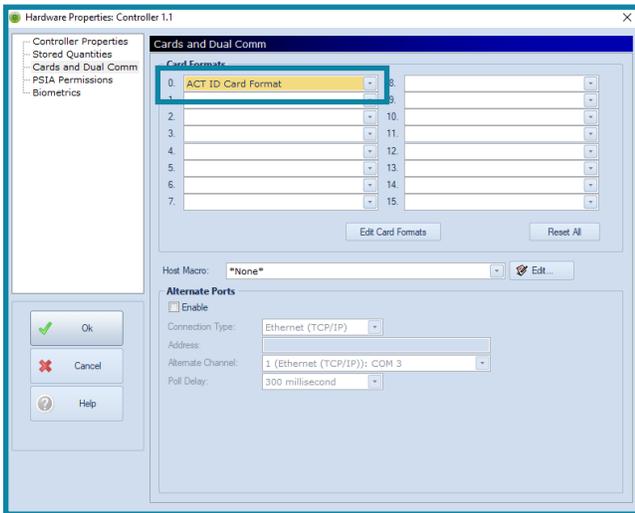
After creating the ACT ID Card Format:

1. **Right-click** on the desired controller.



2. **Select** Properties.

3. **Select** Cards and Dual Comm.
4. **Click** on an available drop-down menu and **select** the ACT ID Card Format.



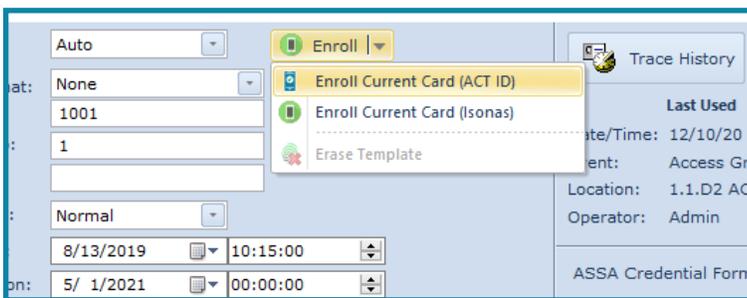
5. **Click** on Ok.

Configuring the Cardholder

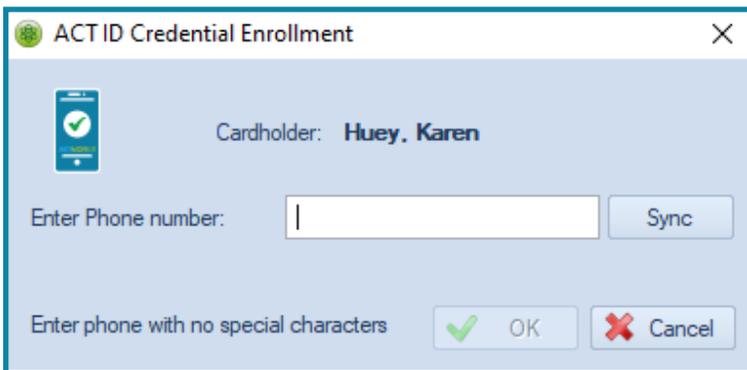
The ACT ID credential must be configured onto the cardholder’s Personnel Record. A cardholder can enroll the ACT ID into the Personnel Record by selecting the Enroll drop-down menu.

In Personnel browser:

1. **Open** the desired cardholder’s Personnel Record.
2. **Select** the Card tab.
3. **Click** on the Enroll drop-down menu and **select** Enroll Current Card (ACT ID).



4. **Enter** the cardholder’s phone number.



5. **Click** Sync to complete the enrollment.



OPEN OPTIONS[®]
— ACCESS TECHNOLOGY —

16650 Westgrove Dr | Suite 150
Addison, TX 75001

Phone: (972) 818-7001

Publish Date | December 30, 2020

DNA Fusion Version | 7.8 or Greater

Manual Number | AIQSG 1.0

www.ooaccess.com