

How-To Guide

Setup Guide for:

Interfacing U-PROX Readers to Tecom ChallengerPlus

Rev 1.0

Page 1 of 4

# U-Prox 26 Bit Wiegand Setup

Interfacing to: 120-001 Tecom TS-CHPLUS ChallengerPlus control panel 120-308 Tecom TS1061 Dual Wiegand Interface Unit

Setup the U-Prox Reader For initial setup of the U-Prox Reader refer to *Ness-U-Prox-Setup-Guide.pdf* \*Dual Wiegand Interface is required\*



### Wiring Diagram

Green(D0) White(D1) Black (-) Red (+)



## How-To Guide

Page 2 of 4

#### TECOM PROGRAMMING

Program the user as per normal assigning the correct Alarm Groups & Door Groups

The DWI must be assigned and configured with readers added prior to this.

Users 🗙		∢ ▷ X
+ 🗄 🕒 🖸	S 🖻 🛓 🕹 💷 << S 🖹 🚭	
Record 16	33 U-Prox SL Keypad	
User Access Card	ds Notes History	
<u>Alarm groups</u>		
Panel	Alarm group	
1 ChallengerPlus	1 CH 1 No access	
Door groups		
Panel	Door group	
1 ChallengerPlus	3 All Doors	
<u>Floor groups</u> Panel	Floor group	

Example below is for a PIN:



### How-To Guide

Page 3 of 4

#### TECOM PROGRAMMING

Us	ers 🗙										4 Þ <b>)</b>	Status and	l control
4	- 🖰 🖸	0 0	) 🗊	1 🛨 🏖	<b>I</b>	325	ē					0 74	
R	ecord 1	.6	JJ U-Pro	ox SL Keypad								Panel All	
	User Acce	ess Cards	Notes	History						Cards		T 41	×
	Cards									Assigned to	16: JJ U-Prox SL Keypad		
	Panel			Status	Card	Site code	Card da	а	PIN	Panel	1 - ChallengerPlus Tech		
1	Challenger	Plus Tech		Active			0.0.0.0	.0.0	*****	Card format	Raw card data		
										Site code			
										Card no.			
	Start	Notset			_		<ul> <li>Expiry</li> </ul>	Not	t set	Card data	26.0.0.3.16.155.127		
	PIN		_	_	_				_	Status	Active		
	liser type	Normal	-		_		_	-		PIN	Verify	Sho	w PIN
	Card onl	/ Lon	g access	Trace	Privileged	High secu	ity user			Learn	c	K Car	ncel

Press "Learn" and enter PIN# on the U-Prox Reader and it will populate the card data.

Provided the Reader supports the card format it will read and allow that card to be badged/grant access.

Example: Reader has ASK/Mifare formats enabled and the reader will accept EM/Mifare cards/tags and transmit this via Wiegand 26 bit onto the CHPlus and allow both formats to work simultaneously.



Page 4 of 4

#### **TECOM PROGRAMMING**

U-Prox ID Mobile Credentials can be added prior to the user attending the site by selecting "Card format" as Wiegand 26 bit and entering the valid credentials provided by your supplier.

Users X	↓ ★ Status and control								
+ ㅂ ▫ ♀ ♀ ▣ ± ± & ▣ < > ㅌ 尋									
Record 14 Tech Phone	Panel All								
User Access Cards Notes History	Cards								
Cards	Assigned to 14: Tech Phone								
Panel Status Card Site code Card data PIN	Panel 1 - ChallengerPlus Tech								
ChallengerPlus Tech Active 3000 227 26.0.0.0.220.1 ******	Card format Wiegand 26 bit								
	Site code 227								
IL	Card no. 3000								
Start Not set 💌 Expiry Not set	Card data 26.0.0.0.220.133.241								
PTN	Status Active								
User type Normal	PIN Verify Show PIN								
Card only Long access Trace Privileged High security user	Learn OK Cancel								

\*101-053 & 101-055 Tested with CHPlus/NAC & DWI\*



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