



SOFTWARE CONTROL SERVICES (PTY) LTD

475 King's Highway, Lynnwood
P.O.Box 36675, Menlo Park
Pretoria, South Africa
0102

(t) +27 12 348 7301
(f) +27 12 348 1129
(e) techsupport@softconserv.com
www.softconserv.com

Dual Badge Setup Guide.

Version 0. 2

Prepared by: Michael Davis- Hannibal

Softcon Software Control Services (Pty) Ltd.

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Revision History

Name	Date	Reason For Changes	Version
MDH	07-Jun-10	Initial document	0.1
MDH	14-Jul-10	Formatting changes	0.2

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1. General

Dual badge is a function where two separate people need to present a form identification to a reader in order to open a door. Dual badge can function across one or two readers.

What's needed:

1. CR355 or CR390 controller,
2. SW version 1.03.52 or Higher
3. Other relevant hardware.

2. Setup

- a. Setup controller/reader as per normal.
- b. In reader setup the field link to, specify the same reader.
- c. In Time-Out set the number of seconds for the time out. The time in which the second badge must occur

Description	Controller	P...	Area In	Area To	Card Type	DB mode	Link To	Time-Out
1 Dual Badge	zController 01	1	Outside	zArea zone 02	02 Wiegand 30	10 Random	Dual Badge	10
2 zRD 02	zController 01	2	zArea zone 02	Outside	02 Wiegand 30	10 Random	RD 0	0
3 zRD 03	zController 02	1	Area zone 0	Area zone 0	02 Wiegand 30	02 Facility, xref	RD 0	0
4 zRD 04	zController 02	2	Area zone 0	Area zone 0	02 Wiegand 30	02 Facility, xref	RD 0	0

Figure 1: Reader Settings

- d. In DB Location set the reader for PC-All.

The screenshot shows the 'Reader Set-up' dialog box with the 'Area/Type' tab selected. The 'Db Location' dropdown menu is set to 'PC-all'. Other visible settings include: Door (Input) Input 0, Latch (Out) Output 0, Area In Outside, Area To zArea zone 02, APB None, Strictly from Disabled, ATB 0, Accumulate None, DB mode 10 Random, Card Type 02 Wiegand 30, Reader Type None, Use Card CardNum 1, Random Output, Random %, Random Input, ATB Linked, Report Frame, ALT ISO Start, and ALT ISO End. The dialog also shows 'Record 1 of 140' and 'XRef 1' at the bottom.

Figure 2: Reader Properties

- e. In the card table, the setting for Dual Badge, the options are as follows:
 - i. Master: This card does not require Dual badge and if swiped will open the door immediately
 - ii. 1st badge: this card requires a second card holder with the setting of 2nd badge or don't care to badge 2nd in order to open the door
 - iii. 2nd badge: this card requires that a card holder with the setting of 1st badge or don't care to badge 1st in order to open the door.
 - iv. Don't care: this card requires only that another card is badged.
 - v. NB: if the other card has 1st badge set the that card must be badged 1st, and if the other card ahs 2nd badge set the it must be badged 2nd.
- f. In events:
 - vi. In event name give an appropriate name for the event.
 - vii. Click on the second add button. This will add a trigger for the event.
 - 1. In the first column (Type) select reader.
 - 2. In the second column (System Item) select the relevant reader.
 - 3. In the third column (Status) select *card enabled*

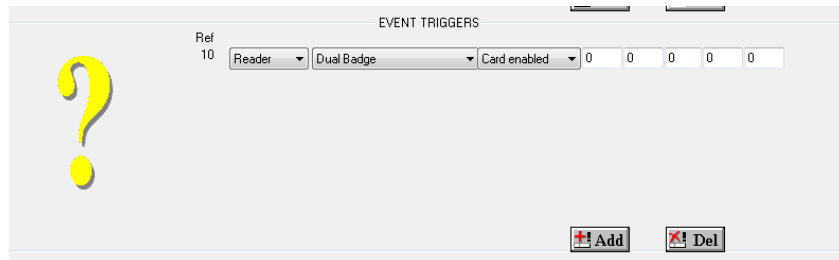


Figure 3: Event Trigger

- viii. Click the first add button twice. This is the actual event that will be triggered.
- ix. In the first row:
 - 1. Under PC select the PC that will process this event. Normally the server, if unsure leave this setting at resolve.
 - 2. Under Program ensure SCS_Client is selected.
 - 3. Under type select Reader
 - 4. Under System Item select the dual badge reader
 - 5. Under Status select Entered
 - 6. Under Xref type ~Trigger REF. EG: ~10
- x. In the second row:
 - 1. Under PC select the PC that will process this event. Normally the server, if unsure leave this setting at resolve.
 - 2. Under Program ensure SCS_Client is selected.
 - 3. Under Type select Output
 - 4. Under System select the output
 - 5. Under status select Level Changed
 - 6. Under Value type the appropriate level. EG. 1 or 2

PC	Program	Type	System Item	Status	Value	Xref	Alarm	Z1	Z2	Z3
Resolve	SCS_Client	Reader	Dual Badge	Entered	0	~10	0	0	0	0
Resolve	SCS_Client	Output	CR_1 Latch 1	Level changed	1	0	0	0	0	0

Figure 4: Event-Event

- xi. In Algorithm fill in the Trigger Ref. this can be found in the left hand side of the trigger.

EVENT

Event Name 2 Dual Badge

Algorithm 10

PC	Program	Type	System Item	Status	Value	Xref	Alarm	Z1	Z2	Z3
Resolve	SCS_Client	Reader	Dual Badge	Entered	0	~10	0	0	0	0
Resolve	SCS_Client	Output	CR_1 Latch 1	Level changed	1	0	0	0	0	0

EVENT TRIGGERS

Ref 10

Reader	Dual Badge	Card enabled	0	0	0	0	0
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Figure 5: Complete Dual Badge Event.