



SW3 Rd CLIP How2

Revision 001

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Revision History

Version	Date	Person	Reason For Changes
001	2023-07-04	MTL	Initial

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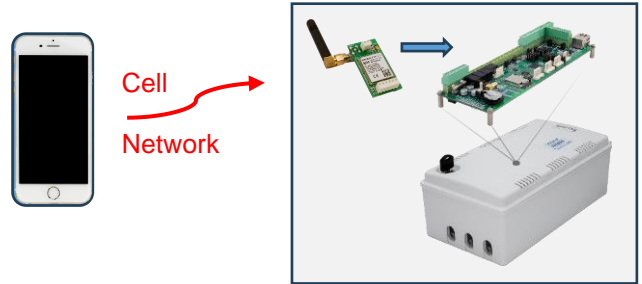
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1 AIM

The aim and goal of this .PDF document is to serve as additional help manual for the use of the Softcon Systems. The document details how to install / setup / use Caller Line Identification Presentation (CLIP) in Softcon systems.

2 GENERAL

A GSM (mobile) modem is connected to a Softcon controller (CntrP) and is used as a reader to request access to the area zone that the reader controls.



The same as if a user badged a token / biometric to request access, the mobile number is used.

- The user (caller) dials the modem (has a sim card) – as if calling a mobile number (e.g. 0721234567).
- The caller mobile number (e.g. 0829876543) is passed to the CntrP.
The call is not answered – no call charge.
- This caller mobile number (same as a badged token) is searched for in the CntrP database.
- Access is granted or denied according to the access parameter set for the user (enabled for the reader, correct time of day).

3 INSTALLATION

A GSM modem or module is connected to a Softcon controller (CntrP) via a serial port. For CR391 a Softcon module (QUETEL M95 module) can piggy-back onto the CR391 PCB.



Alternatively, a Siemens modem (MC55 modem) is connected to RS232-1 serial port
e.g. ComC on CR391

Other modems on request.

The modem/module must have a sim card enables for data with a service provider (e.g. Vodacom, MTN). An appropriate antenna must be used to ensure that the unit is always on-line (connected) :to the network. The modem can be placed in the CntrP housing, with the antenna outside the housing

For metal enclosures, the antenna must be outside the enclosure.

For other CntrP's see appropriate connection lists.
Modem 2 or 3 depends on the modem.
On modem, between 5 and TX is typically negative 5V,
5 and RX is floating (about 0V).

CR391U RS232 CONNECTION (ComC)			
Cr391U		MODEM	
TERMINAL	FUNCTION	FUNCTION	TERMINAL
5	RS232-1 RX	TX	2 (or 3)
6	RS232-1 TX	RX	3 (or 2)
2	Ground	5	5
66-70	12V	12V	?

4 SETUP

SERIAL PORT

The serial port type must be set to GSM with matching baud, bits and parity and Clip must be enabled for GSM. Baud rates, bits and parity depend on the modem settings, typically:

In **legacy mode**, serial setting are done with HH:
Legacy is fixed as Reader 1 (no setting)

SERIAL PORT		
Function	Setting	Description
Serial Type	10	GSM comms / CLIP
Baud Rate	19,200	Rate match modem
Parity	None	Parity match modem
Bits	8	Bits match modem

In **universal mode**, the setting are done in the serial menu:
Reader reference is to the reader the CLIP is (0 or 1 is reader1).

Controller	Seri...	Type	Sub-type	Baud ...	Data ...	Parity	RD Ref	Add...
1 Street Gate	1	FLAN Master	0	19k2	9bit	None	0	0
2 Street Gate	2	LAN Slave	0	19k2	9bit	None	0	0
3 Street Gate	3	GSM	1	9k6	8bit	None	0	6
4 Street Gate	4	None	0	19k2	8bit	None	0	0
5 Street Gate	5	None	0	19k2	8bit	None	0	0

Sub-type: 0=M98, 1=M35

Additional setting:

b0=Event, b1=Clip, b2=SMS, b3=Pass, b4=Data
6 enables Clip and SMS.

READER SETTINGS

Reader address (Com.Node.Port) must be addressed to the Com port

Reader type is irrelevant.

Ref	Description	Area In	Area To	Controller	Port	U_Add...	Token Type
1	Gate Bio	Outside	Inside	Street Gate	1	0.0.1	02 Wiegand 30
2	Gate Mobile	Outside	Inside	Street Gate	2	3.0.1	02 Wiegand 30

DATABASE

Description	Type	Comms Interface	Node	DB Mode	U_DB Property	SMS Period Days	SMS sync Date
1 Street Gate	Universal	Comms Interface 1	1	10 Random	✓	00:00 31	08:00 01

The cell number must be edited in the user database (dB type 10 in the controller menu)
e.g. +27823344567 or 0823344567 is entered as 823344567.

SMS

As no revenue is generated by the Cell network operator, certain operators cancel the SIM card after 3 months.

A simple solution to have a minimum sim data contract.

Alternatively, if using Pay-As-You-Go, then SMS must be set:

By enabling the GSM SMS option, an SMS is sent to all users in the local database that have its property set for REPORT.

This requires the Data Base setting for Properties to be enabled.

The SIM card must have SMSes available.

The Event Stats SMSes are sent when:

Via HH, when in the Event Stats menu, select key 8.
SMS period (hour: Minute – days) is reached.

The SMS shows:
Time-date
Controller name
Version
ID (MAC)

