



IDENTICOM

Technical Bulletin: TB004-0107

SUBJECT:

New firmware release – V3.07

Summary of changes

Units affected: Serial numbers SI0606009338 and after

This firmware release introduces a number of changes to Identicom, detailed in the following sections:

- Increased control over sending of text messages
- More effective indication of low battery conditions
- New start-up charging process and indication
- Change to power supply unit (PSU) supplied
- New manual, updated and with technical reference section removed

Note that the new configuration commands have required an additional storage location to be set up on the SIM card. This means that it is not possible to exchange configured SIMs between V3.07 units and earlier versions and for them to work correctly.

Text message controls

Three new configuration commands have been added to enable all of the text messages to be independently switched on/off and to be directed to either the primary, secondary or both text message numbers. This provides for far greater control over the volume and use of messages generated.

.ARE – Define Amber Alert report destinations

Syntax: .ARE<alert>,<cancel>,<extend>

Where <alert> is the destination for the amber alert message, <cancel> is the destination for the amber alert cancelled message, and <extend> is the destination for the amber alert extended message.

Each value is in the range 0-3 as follows:

0 No message is sent.

1 Message is sent to Primary server only.

2 Message is sent to Secondary server only.

3 Message is sent to Primary and Secondary servers.

Function: This command defines the destination for the amber alert messages.

Example: .ARE3,3,0

.RRE – Define Red Alert report destinations

Syntax: .RRE<alert>,<cancel>

Where <alert> is the destination for the red alert message and <cancel> is the destination for the red alert cancelled message.

Each value is in the range 0-3 as follows:

0 No message is sent.

1 Message is sent to Primary server only.

2 Message is sent to Secondary server only.

3 Message is sent to Primary and Secondary servers.

Function: This command defines the destination for the red alert messages.

Example: .RRE3,3

.BRE – Define battery and charger report destinations

Syntax: .BRE<battery>,<charger>

Where <battery> is the destination for the low battery message and <charger> is the destination for the charger connected and charger disconnected messages.

Each value is in the range 0-3 as follows:

0 No message is sent.

1 Message is sent to Primary server only.

2 Message is sent to Secondary server only.

3 Message is sent to Primary and Secondary servers.

Function: This command defines the destination for the low battery and charger connection messages.

Example: .BRE3,0

Defaults

The default values are as follows, giving the same behaviour as for existing units:

.ARE3,3,0
.RRE3,3
.BRE3,0

Note that the existing AXE/AXD, AME/AMD, and CTE/CTD commands will work as before, either to switch on/off the sending of texts to the destinations selected, or, if no ARE or BRE commands have been used, to default to sending to both primary and secondary numbers as before. The AXE/AXD and CTE/CTD commands do not need to be used as the ARE and BRE commands, if used, will result in sending being switched on/off as appropriate.

Low battery indication

The indication of low battery conditions has been modified to make it more useful to the user.

LED green to amber	<p>The change from indicating a green to amber battery condition occurs at the same point as before so there will not be any real or perceived change in the battery life. The user should put their Identicom on charge at the earliest opportunity following this.</p> <p>The 'low battery' text message, if configured, will be sent out at this point.</p>
LED amber to red	<p>The change from indicating an amber to red battery condition occurs a significant time later (around 6 hours with no user activity and good signal conditions).</p>
Unit shutdown	<p>Identicom will switch itself off a little while after the LED indication becomes red (just under an hour with no user activity and good signal conditions).</p>

Start-up charging process and indication

Identicom requires there to be a minimum amount of charge in the battery before entering its rapid charge state. To ensure this a trickle charge timer has been introduced:

- If a unit is switched off and then put on charge it will wait five minutes before entering its rapid charge state. During this period it will flash just the battery LED every five seconds, to clearly identify that it is in its trickle charging state. Following this it will flash both LEDs every second until it acquires the mobile network, if a SIM is installed, as before.

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- Note that during trickle charging the unit should not be removed from its charger. If this is done the five minute timer will continue as though it is still on charge and the user must wait for this period to be complete before it returns to normal operation.
 - If a unit is switched on and then put on charge it will go immediately to its rapid charge state as before, flashing both LEDs until the network is acquired.

Power supply unit (PSU)

Please note that a new power supply unit is now being supplied with Identicom. It behaves exactly as for the previous unit and there is no change in the operation of Identicom with this charger.

Manual

We have received a lot of feedback regarding the Identicom manual. In response to this it has been decided to remove the technical reference section as it is not generally relevant to the end user. A PDF version of this reference section is being produced and will be made available shortly through the Connexion2 website.

The new information in the technical reference manual relates to the new text message commands (ARE, BRE and RRE), described above.

Note that there is a new paragraph in the technical specifications section of the manual regarding disposal and recycling. This is in preparation for new UK legislation on WEEE (Waste Electrical and Electronic Equipment) that comes into force on 1 July 2007, also reflected on the Identicom label by a crossed out wheelie bin. Closer to this date, Connexion2 will communicate any implications that these regulations may have.

Should you have any questions then please contact Connexion2 on +44 (0) 1909 550368 or support@connexion2.com.

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