



PAYMENT TERMINAL SOFTWARE

RELEASE Q1 2014

Patch Release v04.17: 25.11.2014

Main Release v04.12: 18.03.2014

Highlights:

- New terminal model iUC180B
- New terminal model iWL250 3G
- New "Technology by Nets" idle-screen logo
- Pay@Table improvements

About the release:

Software version number is 04.17 for this release. Test version is 51.34.

- This release is for IUP250 + IUR250, ICT250E, ICT250EG, IWL250G, IWL250B, IPP350, ICT220E, ICT220EG, IWL220 terminals.
New Terminals iUC180B+iUR250, iWL250 3G
- Merchant Languages: NO,SE,DK,FI,EN
- **Note:** Pay@Table is not upgraded to this version.

Availability

Contact your local pre-sales team or Account Manager to get more information about the release.

Patch version 04.17(test version 51.34) includes following fixes:

Description

Terminal out of sequence

In rare cases it has been observed that the terminal can cause double debiting of customers if the "duplicate transaction" message is ignored. This case is only known for one specific sequence used by one specific customer where a collision on the integration interface provoked the bug. Nets has improved the robustness of the protocol for handling this case.

Patch version 04.16 (test version 51.33) includes following fixes:

Description

iUN – reboot and hang situations

The iUN terminal has been observed to hang in some cases, normally after an unexpected reboot.

Corrective measures to remove the root causes:

1. Fixed a terminal reboot issue when German/Spanish "remove card" text was displayed.
2. Fixed an issue caused by an internal memory leak.

Patch version 04.15 (test version 51.32) includes following fixes:

Description

An ECR is able to send an Info field that is transmitted by the terminal to the PSP. The feature did not work correctly when using EMV cards. This has been fixed with this patch.

iUN terminals were not displaying "Insert card" text on the display when the amount was sent from the ECR. This has been fixed with this patch.

New functionality in Q1 Release:

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| iUC180B | The iUC180B is a Non-PIN alternative to the iUP250 which also includes contactless reader. Same functionality as other unattended terminals from Nets. This solution is intended to be used in environments where the amounts are fairly low. I.e. Parking segment with max amount being below 50€ or Vending machines. |
| iWL250 3G | New model of the iWL250 series with 3G communication. Same functionality as the other iWL250 models. |
| Cash Advance | <p>Cash advance can be regarded as an attended ATM.</p> <ul style="list-style-type: none"> The terminal must be located at bank branches or at bank agents <p>The transaction fee is reversed for cash advance terminals – and the card issuer adds a fee on card holders statement, similarly as if an ATM was used.</p> <p>No amount limit is used as the usage is for ATM. Terminal enables high amount of cash or currency withdrawal, if the card issuer approves the transaction.</p> <p>Note that Passport or other ID is required even for PIN based transactions.</p> <p>Contactless is not supported</p> <p>Menu:</p> <ul style="list-style-type: none"> Cash transaction type initiated instead of purchase if amount entered from home position Only cash and reversal available as transaction types <p>Receipt:</p> <ul style="list-style-type: none"> Card holder name printed for chip transactions A line for cardholder ID (including PIN transactions) Print "Bank copy" instead of "Merchant copy" Print: A FEE MAY BE ADDED BY THE ISSUER <p>Two copies of the receipt will always be printed as a bank copy is always needed for the cardholder.</p> |
| Gratuuity | <p>Adjust the max limits for tip entry.</p> <ul style="list-style-type: none"> Lower limit is increased from 100 in total to 200. (20 when using €) Percentage changed from 50% to 25% in Norway. This is a BankAxept requirement |
| Copy of Reconciliation receipt (containing transactions) | <p>This is an improvement over the existing copy functionality. The terminal saves only the last reconciliation with accumulated transactions. Copy of 0,- reconciliation will not be stored.</p> <p>The same functionality is also implemented for copy of Z-total. This is only implemented for stand-alone terminals.</p> <p>Steps for printing a copy of reconciliation receipt:</p> <ol style="list-style-type: none"> 1. Press Menu on idle screen 2. 5 Copy menu 2 Last recon. |

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| <p>New Nets logo in idle screen</p> | <p>For colour screen:</p>  <p>For B/W screen:</p>  |
| <p>UPT improvements (Unattended Payment terminal)</p> | <p>The iUP250 now supports the following functionality:</p> <ul style="list-style-type: none"> • Pinshield light is supported. Parameter for Pinshield light must be turned on from the parameter menu. • Controlling backlight, card reader light and Pinshield light from ECR/Baxi <p>NO-CVM transaction approved screen will show the amount paid</p> |
| <p>Pay@Table and MobileManager improvements</p> | <p><u>For Merchant/Waiter</u></p> <ul style="list-style-type: none"> • Waiter is logged in the service mode until manual log-out (in generic version) • Scrolling menus with F2 and F3 buttons • 17 digit check IDs can be entered (in generic version) • Checks can be found by check number • Surcharge possibility. • All Scandinavian letters are shown now correctly • Enhanced usability and a way of working lunch vouchers <p><u>For Integration partners</u></p> <ul style="list-style-type: none"> • Administrator can choose the currency label and amount of digits for the used currencies • Administrator can choose the correct language for the terminal • One generic package for all functionalities, which works with all products |
| <p>Display amount together with "Awaiting card"</p> | <p>All Telium 2 terminals will now display the amount to be paid before card is inserted for both standalone and integrated terminals.</p> |

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| Remove Merchant Card protection from Menu Offline Dankort | <p>The 'Offline Dankort' entry in the card services menu is currently protected by a Merchant Card swipe.</p> <p>This protection has now been removed.</p> |
| BankAxept: Authorization code must be 6 digits long on EOT | <p>Now the terminal will not accept entering an authorization code which is shorter than 6 digits. Only for BankAxept EOT transactions on standalone terminals</p> |
| Update of Finnish language strings | <p>Language maintenance on the Finnish strings has been done.</p> |
| In case of unknown TID, terminal displays "Sorry Closed, Unknown TID" | <p>When the terminal is connecting to the PSP with an invalid or missing TID the message "Sorry Closed, unknown TID" will be shown.</p> |
| Amount 0,50 no longer prompts terminal to empty printer buffer | <p>Sending transfer amount with 0,50 previously resulted in terminal sending print buffer to ECR and the transaction was rejected.</p> <p>This functionality has been removed because it is no longer in use.</p> |

Communication configurations

| Communication configuration | Baud rate | Terminal Type |
|--------------------------------|-----------|--|
| Ethernet via Magic box | NA | ICT220, ICT250, IPP350 |
| Ethernet DHCP | NA | IUP250 + IUR250, ICT220, ICT250, IWL250B, IPP350 |
| Ethernet Static | NA | IUP250 + IUR250, IPP350, ICT220, ICT250, IWL250B |
| GPRS | NA | ICT220EG, ICT250EG, IWL250G, IWL220G |
| ECR via RS232 (Separate cable) | 57600 | IUP250 + IUR250, ICT220, ICT250, IPP350 |
| ECR via USB | NA | IUP250 + IUR250, ICT220, ICT250, IPP350, iWL220, iWL250B, iWL250G, iWL255G, iCM122 |
| ECR via RS232 (Magic box) | 57600 | ICT220, ICT250, IPP350 |
| ECR via IP Ethernet | | ICT220, ICT250, IPP350, IUP250+IUR250, iUC180B+iUR250 |