Software Information Sheet

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General Information

Model Name:	UBA-10/11-SS			SW.Req. No.	C20-477-01	A4105 / EO#4105
SW. Name:	UBA-10(EUR5)-SS ID-024			Date: (mm,dd,yyyy)	11.03.2008	Rev:	C1
SW. Version:	V1.77-16			Note:	**IGT**	
Country (Code):	Euro(EUR)			Guide:	None	
Currency:	Euro			Check Sum:	8006	
Direction:	4-Way			Kobetron ID:	A4H5	
				CRC-16 (Seed= 0000):	F02D	
				CRC-32 (Seed=00000000):	20B1AD14	

Denomination: Years & MRI Ident #	Denomi.	Printed	Issued	MRI#
	5	'02	-	EUR5.1
	10	'02	-	EUR10.1
	20	'02	-	EUR20.1
	50	'02	-	EUR50.1
	100	'02	-	EUR100.1
	200	'02	-	EUR200.1
	500	'02	-	EUR500.1

Accload Program:	V1.19 or newer.
USB Tool Suite:	UBA USB Tool Suite Version 1.06 or newer.
Barcode Ticket:	Accepts JCM specified barcode tickets.
ICB:	ICB feature is enabled or disabled with an ICB Enable / Disable barcode ticket.
EPROM: (UBA-11)	8 M bit, 100 nanosecond data access, or faster. ST Part M27C801-100F1 or equivalent
Modifications:	

(Version 1.28-13 → 1.77-16) – 11/2008

- **Banknote Recognition:** Improved acceptance for all denominations by adding more street grade data.
- **Banknote Recognition:** Improved the hologram detection. (Euro notes without a hologram will be rejected).
- **Machine Operation:** Added cleaning mode. UBA recognizes a custom cleaning card and enters a cleaning mode for a few moments. (Cleaning card is moved in and out of the path 3 times).
- **Machine Operation:** Software modified to reject WBA calibration paper.
- **Machine Operation:** Changed the pause timer from a few seconds to 10 seconds. There is a gross Pause timer of 20 seconds).
- **Machine Operation:** Modified the watchdog operation. (Found a case where the watchdog timer would trip if the motors were stalled).
- **Machine Operation:** During a transaction, the UBA will close the centering mechanism to prevent a second note from being inserted. The centering mechanism is opened again when the original note is being pushed into the cashbox. (This change will make multiple note insertion smoother).
- **Machine Operation:** Modified power recovery operation. If a polymer note is inserted and power is removed prior to escrow, there was a possibility that the note was not rejected due to the clear plastic window on the note. (No polymer notes in the USA; this is a change we are adding to all UBA software).
- **Machine Operation:** Supports the UBA USB Tool Suite program. (Able to download and get performance data using the front USB port).

Modifications Cont:	**Machine Operation:** UBA can now determine the size of the cashbox installed. This is related to reporting cashbox near full. (Smaller cashbox – near full at 425 bills. Larger cashbox – near full at 825 bills). **Interface:** "Stacker Open" is now reported, even if a bill has just been rejected and is still at the entry. **Interface:** Changed the escrow time-out specification. Bill and voucher timeout will now follow the bill validator configuration. **Interface:** Added the Bill Validator Hold command. Specifies a temporary escrow timer (Timer applies to the current note only. Escrow timer reverts back to the previous escrow timer state). **Interface:** If the UBA goes into retry mode, the reject code is not reported until the note is finally rejected. (Removed by patron; rejected after retry; etc). Same as UBA-USA software. **ICB:** Changed the timing for recording a barcode ticket number. **ICB:** If the Reset Command is received while writing onto the ICB, the Reset operation will be performed after the data has been completely written. **ICB:** UBA will check for presence of ICB more often. (Previously, ICB presence was only checked at power-up). **ICB:** ICB Remove / Install count will not be updated in case of the Reset. **ICB:** Communication retry after wake-up, stop communicating for about 160ms after sending the EOT. (ICB – UBA communication). **(Version 1.26-11 → 1.28-13) – 03/2006** **Banknote Recognition:** Improved banknote acceptance for all denominations. **Interface:** Supports CRC32. **Machine Operation/Interface:** The Power Recovery operations have been changed for strict adherence to IGT specifications. The UBA will wait for the STACK command until the escrow timeout after Power Up, and NO VEND is given if the STACK command is not received. The banknotes are taken in the same way as barcode tickets. **(Version 1.25-08 → 1.26-11) – 10/2005** **Barcode Tickets:** Added countermeasure against stacked barcode tickets. **Banknote Recognition:** Improved acceptance rates for 20 and 50 Euro banknotes by adding more data. **Banknote Recognition:** Improved acceptance rates for 5, 10, 100, 200, and 500 Euro banknotes by adding more data. **Machine Operation:** Limited the Counter Initialization condition to the time when the cash box is opened. **Interface:** Change the spec of Escrow Timeout period. a. Banknote: fixed to 8 seconds. b. Barcode Coupon: default 32 seconds. **Interface:** Support Near Full Message. **(Version 1.21-07 → 1.25-08) – 08/2005** **Banknote Recognition:** Improved acceptance for the following banknotes; 5, 10, & 20 Euros. **Machine Operation:** Shortened banknote acceptance time to prevent it from being picked up by player. a. PB mechanism is at the opened position during idling status, making the time shorter before UBA starts accepting the banknote. - When a banknote insertion is detected, the centering mechanism is moved to the position of approx. 70mm before banknote accepting begins. **Machine Operation:** Modified detecting gear by preventing slipping and rejection of incompletely stacked banknotes. a. During normal operation, the pusher plate stays at the half-pushed position after stacking is complete. When the pusher plate is back at the home position, the UBA retries up to 3 times. If it cannot be returned from the home position, an error is sent to the host machine. b. If the exit sensors detect the previously stacked banknotes while rejecting an inserted note, an error is sent to the host machine.

Modifications Cont:	• **ACCLOAD**: Modified ACCLOAD data.
	• When a banknote is picked up during the automatic retry operation (excluding the 3rd time), the data is registered in the unknown rejection log area (ACCLOAD 2nd page).
	• **ICB:** Modified the ICB Remove update time.
	a. Time is updated every 30 minutes (during IDLING (ENABLE) status).
	• **ICB:** Modified the version number display. (ICB simulator Ver, Version info)
	(Version 1.21-07) – 02/2005
	• **Interface:** Initial release, new software.
Memo:	• **Banknote Recognition:** Low security for the 5('02) Euro notes.

Dip Switch Settings

#	Dip Switch		
1	**OFF**	**5**	**ENABLE**
	ON	**5**	**DISABLE**
2	**OFF**	**10**	**ENABLE**
	ON	**10**	**DISABLE**
3	**OFF**	**20**	**ENABLE**
	ON	**20**	**DISABLE**
4	**OFF**	**50**	**ENABLE**
	ON	**50**	**DISABLE**
5	**OFF**	**100**	**ENABLE**
	ON	**100**	**DISABLE**
6	**OFF**	**200**	**ENABLE**
	ON	**200**	**DISABLE**
7	**OFF**	**500**	**ENABLE**
	ON	**500**	**DISABLE**
8	OFF	OFF	
	ON	TEST MODE	

ID-024 Data Setting Specification

VERSION DATA

SW. Version	UBA-10 EUR 024V1.77-16

Configuration Table

Bit	Denomination
0	**5**
1	**10**
2	**20**
3	**50**
4	**100**
5	**200**
6	**500**
7	reserved

Bill Available List

Denomination	Monetary Unit	Monetary Code
5	**5.00**	**04h**
10	**10.00**	**04h**
20	**20.00**	**04h**
50	**50.00**	**04h**
100	**100.00**	**04h**
200	**200.00**	**04h**
500	**500.00**	**04h**
reserved		

DIRECTION DATA

Sample demonination:100

```
            100
A ←  ┌──────────┐ → B
(FA) │  Front   │   (FB)
     └──────────┘
     ┌──────────┐
D ←  │  Back    │ → C
(BB) │100       │   (BA)
     └──────────┘
```
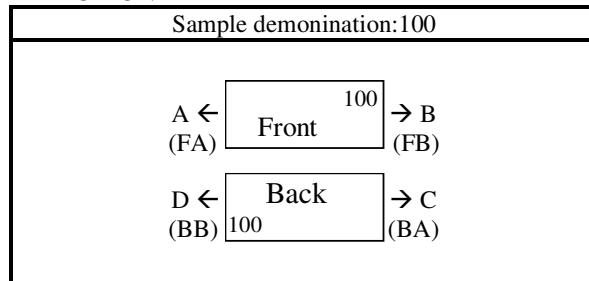
Option

Enable	Option
○	FORMATTED PROGRAM VERSION REQ. CMD