



Software Information Sheet

JCM American Corporation
JCM Europe GmbH
JCM Gold (H.K.) Ltd.
J-Cash Machine (Thailand) Co., Ltd.
Japan Cash Machine Co., Ltd. (Headquarters – Japan)

TEL +1-702-651-0000
TEL +49-211-530-6450
TEL +852-2429-7187
TEL +66-2712-3155-6
TEL +81-6-6703-8405

General Information

Model Name:	TBV-100-FSH/GSH/FLD/GLD/ASH				SW. Req. No.	C20-0228-01		G20-136	
SW. Name:	TBV-100-FSH M06-003				Date: (mm,dd,yyyy)		08.14.2020		Rev: A1
SW. Version:	V1.35-90				Note:		-		
Country (Code):	United States of America, European Union, Russia, Belarus (M06)				Guide:		None		
Currency:	Dollar, Euro, Rubles, Rublei				Check Sum:		EAE6		
Direction:	4Way				CRC (seed= 0000):		52BF		
Denomination: Years&MRI Ident MRI Bankers' Guide to Foreign Currency 94 th Edition. RUB10.1 and RUB10.2 refer to MRI 81 st Edition	RUS								
	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#	
	10	'97	'04	RUB10.1	500	'97	'04	RUB500.2	
	10	'97	'04	RUB10.2	500	'97	'11	RUB500.3	
	50	'97	'98	RUB50.1	1000	'97	'01	RUB1000.1	
	50	'97	'04	RUB50.2	1000	'97	'04	RUB1000.2	
	100	'97	'98	RUB100.1	1000	'97	'10	RUB1000.3	
	100	'97	'04	RUB100.2	2000	'17	'18	RUB2000.1	
	200	'17	'18	RUB200.1	5000	'97	'06	RUB5000.1	
	500	'97	'98	RUB500.1	5000	'97	'11	RUB5000.2	
	USA								
	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#	
	1	'85~	-	USD1.1	20	'96~01	-	USD20.2	
	5	'90~92	-	USD5.1A	20	'04	-	USD20.3	
	5	'93~95	-	USD5.1B	50	'90~93	-	USD50.1B	
	5	'99~01	-	USD5.2	50	'96~01	-	USD50.2	
	5	'06	-	USD5.3	50	'04	-	USD50.3	
	10	'85~	-	USD10.1A	100	'88~	-	USD100.1A	
	10	'90~95	-	USD10.1B	100	'90~93	-	USD100.1B	
	10	'99~01	-	USD10.2	100	'96~06	-	USD100.2	
	10	'04	-	USD10.3	100	'09	-	USD100.3	
	20	'88~	-	USD20.1A	-	-	-	-	
	20	'90~95	-	USD20.1B	-	-	-	-	
	EUR								
	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#	
	5	'02	'02	EUR5.1	50	'17	'17	EUR50.2	
	5	'13	'13	EUR5.2	100	'02	'02	EUR100.1	
	10	'02	'02	EUR10.1	100	'19	'19	EUR100.2	
	10	'14	'14	EUR10.2	200	'02	'02	EUR200.1	
	20	'02	'02	EUR20.1	200	'19	'19	EUR200.2	
	20	'15	'15	EUR20.2	500	'02	'02	EUR500.1	
	50	'02	'02	EUR50.1	-	-	-	-	
	BLR								
	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#	
	5	'09 -	'16	BYN5.1A	50	'09	'16	BYN50.1	
	5	'19	'16	BYN5.1B	50	'20	'20	BYN50.2	
	10	'09 -	'16	BYN10.1A	100	'09	'16	BYN100.1	
	10	'19	'16	BYN10.1B	200	'09	'16	BYN200.1	
	20	'09	'16	BYN20.1	500	'09	'16	BYN500.1	
	20	'20	'20	BYN20.2	-	-	-	-	

Acceptance Rate:	No less than 98%
ACCLOAD Program	ACCLOAD3 (Must use version V3.10 or later)
ICB	N/A.
Bar Ticket:	Accepts JCM specified barcode tickets.
Tool Suite	Must use version V1.44.0.1 or later
EPROM:	Flash ROM only (64Mbit)
Modifications:	V1.34-89 ➔ V1.35-90
Validation:	<ol style="list-style-type: none"> 1. Added acceptance for new BYN20.2 and BYN50.2 from 2020 2. Updated countermeasure against EUR100.1
Operation:	<ol style="list-style-type: none"> 1. Improved rejecting process for short paper (shorter than 80mm).
Interface:	
Memo:	<ol style="list-style-type: none"> 1. The unit that has been calibrated with the V0.xx-15 or older must be re-calibrated after this software is downloaded. 2. <u>This software supports the Country Type Setting Command.</u> 3. The default currency is Russian Rubles. 4. When the transport unit that has been used with FSH/GSH is used with FLD/GLD, the positioning sensor must be adjusted before using. This adjustment is needed also when the transport unit used with FLD/GLD is used with FSH/GSH.

Dip Switch 1 or 3 Settings

1	OFF	Setting OFF
	ON	Setting OFF
2	OFF	Normal Operation
	ON	Return Banknote after previous note is rejected
3	OFF	Setting OFF
	ON	Setting OFF
4	OFF	Setting OFF
	ON	Setting OFF
5	OFF	Setting OFF
	ON	Setting OFF
6	OFF	Setting OFF
	ON	Setting OFF
7	OFF	Setting OFF
	ON	Setting OFF
8	OFF	Setting OFF
	ON	Setting OFF

Dip Switch 2 Settings

1	OFF	Setting OFF
	ON	Setting OFF
2	OFF	Setting OFF
	ON	Setting OFF
3	OFF	Setting ON
	ON	Setting ON
4	OFF	Setting OFF
	ON	Setting OFF

Dip Switch 4 Settings

1	OFF	Setting OFF			
	ON	Setting OFF			
2	OFF	Setting OFF			
	ON	Setting OFF			
3	OFF	Interface Select	3	4	Interface
	ON		OFF	OFF	RS232C
4	OFF		ON	OFF	Photo Coupler
	ON		OFF	ON	Reserve

Dip Switch 5 Settings

1	OFF	RS232C Select
	ON	Photo Coupler Select

Dip Switch 6 Settings

1	OFF	Setting OFF
	ON	Setting OFF
2	OFF	Setting OFF
	ON	Setting OFF

TEST MODE (Dip Switch 1 or 3 Settings)

6	ON	EUR	OFF	USA	ON	BLR	OFF	RUS
7	OFF		ON		ON		OFF	

ID-003 Data Setting specification

VERSION DATA

SW. Version	T(M06)-100-FSH ID003-05V135-90 14AUG20 52BF
-------------	---

ESCROW DATA

Code	Denomination			
	RUS	USA	EUR	BLR
61h	RUB200	USD1	Reserved	-
62h	RUB2000	Reserved	EUR5	BYN5
63h	RUB10	USD 5	EUR10	BYN10
64h	RUB50	USD 10	EUR20	BYN20
65h	RUB100	USD 20	EUR50	BYN50
66h	RUB500	USD 50	EUR100	BYN100
67h	RUB1000	USD 100	EUR 200	BYN200
68h	RUB5000	Reserved	EUR 500	BYN500

CURRENCY ASSIGN DATA

RUS				USA				BLR			
Code	Country	Denomination	Exp.	Code	Country	Denomination	Exp.	Code	Country	Denomination	Exp.
61h	27h	14h	01h	61h	01h	01h	00h	61h	00h	00h	00h
62h	27h	14h	02h	62h	00h	00h	00h	62h	68h	05h	00h
63h	27h	01h	01h	63h	01h	05h	00h	63h	68h	0Ah	00h
64h	27h	05h	01h	64h	01h	0Ah	00h	64h	68h	14h	00h
65h	27h	0Ah	01h	65h	01h	14h	00h	65h	68h	32h	00h
66h	27h	32h	01h	66h	01h	32h	00h	66h	68h	64h	00h
67h	27h	64h	01h	67h	01h	64h	00h	67h	68h	14h	01h
68h	27h	32h	02h	68h	00h	00h	00h	68h	68h	32h	01h
EUR											
Code	Country	Denomination	Exp.								
61h	00h	00h	00h								
62h	E0h	05h	00h								
63h	E0h	0Ah	00h								
64h	E0h	14h	00h								
65h	E0h	32h	00h								
66h	E0h	0Ah	01h								
67h	E0h	14h	01h								
68h	E0h	32h	01h								

ENABLE/DISABLE DATA

DATA bit	RUS		USA	
	Data 1	Data 2	Data 1	Data 2
0	200	Reserved	1	Reserved
1	2000	Reserved	Reserved	Reserved
2	10	Reserved	5	Reserved
3	50	Reserved	10	Reserved
4	100	Reserved	20	Reserved
5	500	Reserved	50	Reserved
6	1000	Reserved	100	Reserved
7	5000	Reserved	Reserved	Reserved
DATA bit	EUR		BLR	
	Data 1	Data 2	Data 1	Data 2
0	Reserved	Reserved	Reserved	Reserved
1	5	Reserved	5	Reserved
2	10	Reserved	10	Reserved
3	20	Reserved	20	Reserved
4	50	Reserved	50	Reserved
5	100	Reserved	100	Reserved
6	200	Reserved	200	Reserved
7	500	Reserved	500	Reserved

RUS 0: Enable 1: Disable (Default: **00FFh**)

USA 0: Enable 1: Disable (Default: **82FFh**)

EUR 0: Enable 1: Disable (Default: **01FFh**)

BLR 0: Enable 1: Disable (Default: **01FFh**)

SECURITY DATA

DATA bit	RUS		USA	
	Data 1	Data 2	Data 1	Data 2
0	Reserved	Reserved	Reserved	Reserved
1	Reserved	Reserved	Reserved	Reserved
2	Reserved	Reserved	Reserved	Reserved
3	Reserved	Reserved	Reserved	Reserved
4	Reserved	Reserved	Reserved	Reserved
5	Reserved	Reserved	Reserved	Reserved
6	Reserved	Reserved	Reserved	Reserved
7	Reserved	Reserved	Reserved	Reserved
DATA bit	EUR		BLR	
	Data 1	Data 2	Data 1	Data 2
0	Reserved	Reserved	Reserved	Reserved
1	Reserved	Reserved	Reserved	Reserved
2	Reserved	Reserved	Reserved	Reserved
3	Reserved	Reserved	Reserved	Reserved
4	Reserved	Reserved	Reserved	Reserved
5	Reserved	Reserved	Reserved	Reserved
6	Reserved	Reserved	Reserved	Reserved
7	Reserved	Reserved	Reserved	Reserved

RUS 0: Normal 1: Security Level high (Default: **0000h**)

USA 0: Normal 1: Security Level high (Default: **0000h**)

EUR 0: Normal 1: Security Level high (Default: **0000h**)

BLR 0: Normal 1: Security Level high (Default: **0000h**)

DIRECTION DATA

DATA bit	Direction	Sample: USA
0	'A' Direction	
1	'B' Direction	
2	'C' Direction	
3	'D' Direction	
4	Not used	
5	Not used	
6	Not used	
7	Not used	

0: Not Inhibit 1: Inhibit (Default: 00h)

OPTIONAL FUNCTION DATA

DATA bit	Data 1	Data 2
0	Hanging Function [01]	Not use
1	Power Recovery [02]	Not use
2	Not use	Not use
3	Not use	Not use
4	Not use	Not use
5	Nearly Full [20]	
6	Entrance Sensor Event (BNF only)[40]	Disable Pullback Feature [40]
7	Not use	Not use

0: Disable 1: Enable (Default: 0000h)

BAR CODE FUNCTION DATA

	Code	Function
Data 1	01h	Barcode type (interleaved 2 of 5)
Data 2	12h	Character length (18 char)
	FFh	Character Length (18 to 28 char)

BOOK MARK COMMAND

Code	Function
4Ah	Sending the Bookmark Command will enable the acceptor to accept a bookmark.

DATA 1**[01] Hanging Function**

Bill rejection finishes with the end of the bill held in the acceptor (to prevent the bill from falling). GSH, GLD, ASH support.

[02] POWER RECOVERY

Limited to the case where power up status is] POWER UP WITH BILL IN STACKER [with power supply off while ACCEPTOR is in] STACKING [status,] VEND VALID [is outputted in case initializing is completed normally. Since SETTING STATUS becomes DEFAULT 0000H by power supply off, it is necessary to conduct setting without fail after] RESET [command is transmitted.

[20] Nearly Full Function

The Nearly Full function will be enabled when "1" is set in the OPTIONAL FUNCTION DATA Bit 5. The "NEARLY FULL" status will be sent when the quantity of the stored notes exceeds the specified amounts as a response to the Status Request only after the "STACKED" status. The "IDLING" status will be sent to the next Status Request.

[40] Entrance Sensor Event

The "Entrance Sensor Event" will be enabled when "1" is set in the OPTIONAL FUNCTION DATA Bit 6. By follow description of function.

When the Entrance Sensor detects a note while the ACCEPTOR is in the DISABLE (INHIBIT) Status, the insertion of the note will be reported to the CONTROLLER in the Status Response from the ACCEPTOR.

This function will be included in the OPTIONAL FUNCTION. When the setting is enabled, a data byte [one byte] will follow the DISABLE (INHIBIT) Status of the ACCEPTOR, and the status of the Entrance Sensor (ON or OFF) will be reported to the CONTROLLER in the lower byte.

This setting will be cleared when the ACCEPTOR is powered off, or the Reset Command from the CONTROLLER is received.

For more details, please refer to another document, "ID-003 Entrance Sensor Status Report Function Specification.doc".

(For BNF operation only)

DATA 2**[40] Disable Pullback Feature**

The Pullback monitoring will be disabled when OPTIONAL FUNCION DATA2 BIT 6 is set to "1". When disabled security against manipulation is lowered.