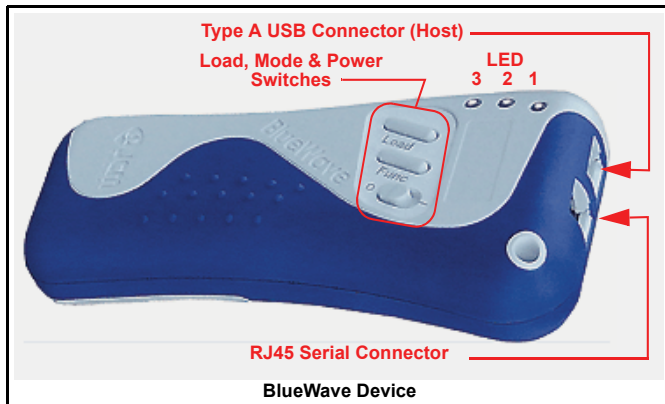


[www.jcmglobal.com](http://www.jcmglobal.com)

The JCM Global Website provides the tools required to service all of our products. This includes a Software information database containing DIP Switch information, Customer Notifications, Product Manuals, Diagnostic Applications and more.

## Parts are Parts



**Part No.** 550-100720R

**Description:** DT-200 BlueWave Device Tool

**Usage:** The DT-200 BlueWave is a hand-held, Battery operated download Device that is compatible with the iVIZION, UBA, WBA, DBV-30x, PUB7/ 11, and EBA-3x product lines. The Tool features removable SD Card technology to quickly change from one Software Protocol to another.

The BlueWave Tool uses USB Cable connections for the iVIZION and UBA, and Serial connections for WBA, PUB, DBV and EBA connection. There are LEDs to indicate the Battery status, download progress and any download faults.

**Note:** Kits including the DT-200 BlueWave tool and one Harness are available. Harnesses may be ordered separately, as-well-as additional BlueWave Device Tools.

## Latest JCM Software Listing

UNIT	Country	ID*	Version†	Check Sum	CRC
UBA-10/11-SS	USA	ID-003	V2.06-21	028E	
UBA-10/11-SS	USA	ID-024	V2.06-17	7E99	
UBA-14/24-SS/SU	USA	ID-003	V-2.06-21		7BAA
UBA-14/24-SS/SU	USA	ID-0G8*	V-2.06-66		F6&E
UBA-14-SS & UBA-24-SS/SU	USA	ID-024	V2.06-28		EE8D
UBA-14-SS & UBA-24-SS/SU	USA	ID-028*	V2.06-18	AEC9	A6F0
UBA-25-SS/SU	USA	ID-024*	V2.05-28	2CB2	
UBA-25-SS/SU	USA	ID-028*	V2.06-18	05D6	
WBA-12/13-SS	USA	ID-003	V-3.80-32i†	0ABC	
WBA-12/13-SS	USA	ID-044C*	V-3.75-05i†	FE10	
WBA-12/13-SS	USA	ID-044*	V-3.75-05i†	D716	
WBA-12/13-SS	USA	ID-024*	V-3.80-34	D1F3	
UBA-10/11-SS	EUR	ID-003*	V-2.05-24	80DC	
UBA-10/11-SS	SWE	ID-003*	V-2.05-20	A3E5	95B2
UBA-10/11-SS	ZAF	ID-003	V-2.05-20	E57F	2F46
UBA-10/11/12-SS	BWA	ID-003*	V-1.96-20	D605	3342
UBA-10/11/12-SS	BGR	ID-003*	V-2.05-20	DA20	21D1
UBA-10/11/12-SS	EST	ID-003*	V-2.05-20	97B4	52BF
UBA-10/11/12-SS	NAM	ID-003*	V-2.05-20	D12C	A4C1
UBA-10/11/12-SS	TUR	ID-003*	V-1.98-20	D722	584A
UBA-10/11/12-SS	DNK	ID-003	V-2.05-21	4F2B	
UBA-10/11/12-SS	DNK+EUR	ID-003E*	V-2.05-21	D4C7	
UBA-10/11/12-SS	BIH	ID-003*	V-2.05-20	88F1	D73A
UBA-14-SS & UBA-24-SS/SU	EUR5	ID-003*	V-1.95-20		2BB1
UBA-14-SS & UBA-24-SS/SU	ZAF	ID-003*	V-2.05-20	C3AC	0653
UBA-14-SS & UBA-24-SS/SU	GBP+SCO	ID-003*	V-2.05-20	DBC7	8FE5

\* . an asterisk signifies this ID# does not appear on the JCM Web Site.

† . an "i" suffix indicates Intelligent Cash Box Option compatibility.

The list of JCM Banknote Validator Software provided herein notifies Customers of the latest Software Versions developed. However, the listing does not identify Versions approved by Gaming Jurisdictional Authorities for actual use. Customers should always consult the JCM's Parts Sales Departments concerning approved Versions for use in their specific jurisdictions intended for operation.

## Current Service Manuals

Product	Revision	Product	Revision
DBV-30X	4	TSP-02	B
EBA-03	2	UBA 10/11/14/24/25	3
ICB	3	WBA-1X/2X	1
Tiako (PUB-7/11)	1	iVIZION	A

## Save Time and Labor with JCM's Intelligent Cash Box System

The ICB® (Intelligent Cash Box) system is a unique cash management system that allows the operator to track a Cash Box and its contents through the entire cash process. The ICB system eliminates the need for dedicating Cash Boxes to specific machines, or putting barcode identification labels on the Cash Boxes. The Cash Boxes are tracked electronically eliminating most variance issues, and with the custom reports provided to each department, accuracy and efficiency is greatly improved.





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## Technical Tips


**Question:** What is the procedure for downloading with a BlueWave Tool?

**Answer:** To download Software using the BlueWave Tool proceed as follows:


1. First prepare the SD Memory Card with the desired Software, and insure the memory card is formatted for 16 or 32-bit operation.
2. Next, create a Sub-directory named "DOWNLOAD" in the root directory.

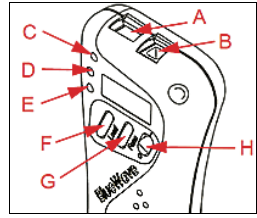
 **NOTE:** The directory name of 'DOWNLOAD', must be one word and all Capital Letters!

3. Next, copy the Software File to be downloaded into the "DOWNLOAD" Folder Directory on the SD Card.

 **NOTE:** Only one (1) Software File should be loaded into the "DOWNLOAD" Folder Directory, because the first File listed in this Directory will be the one used for downloading! Additional files may be saved on the SD Card, but only the first one in the DOWNLOAD directory will be used by the BlueWave Device.

4. Insert the programmed SD Card into the Memory Slot located on the BlueWave Tool, and turn the BlueWave Device **ON**. The BlueWave Tool will calculate the CRC for the Software File to insure integrity by verifying the File is a valid type for JCM products. This process will take 20-30 seconds when a new File is being used. However, if the file has not changed from the previous use, it will not re-calculate the CRC.
5. LED# 2 will illuminate **Yellow** during the file check operation and will illuminate **Green** when its ready for download.
6. Connect the BlueWave Device to the Validator using the proper Harness for the specific Unit being programmed, and apply power to the Validator. The Tool will determine if the Validator connected is the correct type for the Software File. If the File is suitable, LED# 1 will turn **Green** and LED# 2 will extinguish (go out). Any error that occurs will be indicated by LED# 1 flashing a **Red** Error Code sequence.
7. Next press the "LOAD" Button on the BlueWave Device. LED# 1 will turn **Yellow** during the Memory Erase Period and then alternate flash between **Green** and **Red** while the Software is being downloaded.
8. LED# 1 will turn **Yellow** again during the CRC verification process and then LED#1 & 2 will turn **Green** to indicate a successful download has occurred.

 **NOTE:** If LED# 1 is flashing **Red**, count the Flashes and check Error Code Table 1 above to determine the possible problem.



A. USB Connector Type A (Host)      F. Download Activation Switch  
 B. RJ45 Serial Connector            G. Function Selection Switch (not used at this time)  
 C. Comm/Ops Status(LED1)        H. Power ON/OFF Switch.  
 D. Memory Status(LED2)  
 E. Battery Status(LED3)

**Table 1 LED Error and Operational Indications**

LED #1*	LED #2†	Condition
OFF	OFF	IDLE
OFF	RED Flashing	SD Card not found
OFF	YELLOW Flashing	Verifying file on SD Card
OFF	1 RED Flash	Unable to open SD Card
OFF	2 RED Flashes	Unable to open File
OFF	3 RED Flashes	File Error – wrong type or corrupted File
OFF	Lit GREEN	CRC File check complete, ready to start
YELLOW Flashing	OFF	USB Connecting
RED Flashing	OFF	Validator Connection Issue (No response)
Lit GREEN	OFF	Connected, ready to start
1 RED Flash	OFF	Error connecting to Validator (incorrect response)
Lit YELLOW	OFF	Waiting for Validator to report
RED/GREEN alternating Flashes	OFF	Busy Programming
Lit GREEN	Lit GREEN	Program finished, CRC verification complete, Successful Download occurred
3 RED Flashes	Lit GREEN	Program failed, CRC error

\* LED #1 indicates a BlueWave Operational Status or Communications occurrence.  
 † LED #2 indicates a File or Memory Card Status occurrence.

**BlueWave Tool Buttons, LEDs & Flash Codes**

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<b>After Hours America's Support</b>		
JCM American prides itself in offering the best Customer Service in the industry. We prove this by offering a 24 hour hotline, where Technical Support Personnel can be reached at any time, 7 days a week. To reach our 24/7 after hour's hotline, just follow these three easy steps: 1.) Call JCM American at (800) 683-7248. 2.) Select "Option 5" and wait for the call to be transferred to the JCM after hour's Technical Support line. 3.) Speak with a certified JCM support technician about your situation.		

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