

# Software Information Sheet



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## General Information

|  |   |         |        |          |                     |             |                  |           |         |
|--|---|---------|--------|----------|---------------------|-------------|------------------|-----------|---------|
| Model Name:  | DBV-500-R-SD/SU   |         |        |          | SW.Req. No.         | C22-0028-01 |                  | G22-021   |         |
| SW. Name:  | DBV-500-R (RUS)-SD/SU<br>ID-003 / 0E4   |         |        |          | Date: (mm,dd,yyyy)  |             | 03.14.2022       |           | Rev: A1 |
| SW. Version:   | V1.09-11  |         |        |          | Note:               |             |                  |           |         |
| Country (Code):  | Russia (RUS)  |         |        |          | Guide:              |             | None             |           |         |
| Currency:  | Ruble   |         |        |          | CRC (seed= 0000):   |             | EE8D             |           |         |
| Direction:   | 4Way  |         |        |          | CRC32 (seed= 0000): |             | E3DB1390         |           |         |
| Denomination:<br>Years &<br>MRI Ident #<br><br>MRI Bankers' Guide to<br>Foreign Currency 96 <sup>th</sup><br>Edition | Denomi.   | Printed | Issued | MRI#     | Denomi.             | Printed     | Issued           | MRI#      |         |
|  | 10  | '97     | '98    | RUB10.1  | 500                 | '97         | '11              | RUB500.3  |         |
|  | 10  | '97     | '04    | RUB10.2  | 1000                | '97         | '01              | RUB1000.1 |         |
|  | 50  | '97     | '98    | RUB50.1  | 1000                | '97         | '04              | RUB1000.2 |         |
|  | 50  | '97     | '04    | RUB50.2  | 1000                | '97         | '10              | RUB1000.3 |         |
|  | 100   | '97     | '98    | RUB100.1 | 2000                | '17         | '17              | RUB2000.1 |         |
|  | 100   | '97     | '04    | RUB100.2 | 5000                | '97         | '06              | RUB5000.1 |         |
|  | 200   | '17     | '17    | RUB200.1 | 5000                | '97         | '11              | RUB5000.2 |         |
|  | 500   | '97     | '98    | RUB500.1 |                     |             |                  |           |         |
|  | 500   | '97     | '04    | RUB500.2 |                     |             |                  |           |         |
| Acceptance Rate:   | No less than 98%  |         |        |          |                     |             |                  |           |         |
| ACCLOAD Program  | ACCLOAD3  |         |        |          |                     |             |                  |           |         |
| Barcode Ticket:  | Not supported.  |         |        |          |                     |             |                  |           |         |
| JCM Tool Suite   | JCM Tool Suite  |         |        |          |                     |             | Version 1.51.0.0 |           |         |
|  | JCM Downloader for Suite Edition  |         |        |          |                     |             | Version 1.11.0.0 |           |         |
|  | ACCLOAD3 for Suite Edition  |         |        |          |                     |             | Version 3.21.0.0 |           |         |
|  | DBV-500-R Calibration Tool for Suite Edition  |         |        |          |                     |             | Version 1.0.5.0  |           |         |
|  | DBV-500-R Performance Tool for Suite Edition  |         |        |          |                     |             | Version 1.3.1.0  |           |         |
|  | DBV-500-R Event Log View Tool for Suite Edition   |         |        |          |                     |             | Version 1.2.1.0  |           |         |
| Modifications:   | V1.08-10 → V1.09-11   |         |        |          |                     |             |                  |           |         |
| Validation:  | -   |         |        |          |                     |             |                  |           |         |
| Operation:   | 1. Changed anti fishing countermeasures to be disabled by default and can be activated by turning dipswitch 2-6 ON. (Changing this setting will apply only in POWER ON state).  |         |        |          |                     |             |                  |           |         |
| Interface:   | -   |         |        |          |                     |             |                  |           |         |
| Memo:  | <ul style="list-style-type: none"><li>Maximum Baud rate of ID-003 Download Communication.<br/>Photo-coupler isolation : 9600bps<br/>TTL : 38400bps<br/>RS232C : 38400bps</li><li>Statistic data for CCNET use ACCLOAD Program for initial.</li><li>Format of denomination table reference from protocol “V.MAN_CCNET_D2 Rev.2.3 Nov 2002” that may display problem with CCNET Controller V2.19 simulation software</li><li>CCNET Controller V2.19 simulation software need to re-open if want to request statistics again.(1 time read)</li></ul> |         |        |          |                     |             |                  |           |         |

## Dip Switch Settings

| # | Dip Switch 1 |                    |
|---|--------------|--------------------|
| 1 | OFF          | 10 ACCEPT          |
|   | ON           | 10 INHIBIT         |
| 2 | OFF          | 50 ACCEPT          |
|   | ON           | 50 INHIBIT         |
| 3 | OFF          | 100 ACCEPT         |
|   | ON           | 100 INHIBIT        |
| 4 | OFF          | 200 ACCEPT         |
|   | ON           | 200 INHIBIT        |
| 5 | OFF          | 500 ACCEPT         |
|   | ON           | 500 INHIBIT        |
| 6 | OFF          | 1000 ACCEPT        |
|   | ON           | 1000 INHIBIT       |
| 7 | OFF          | 2000, 5000 ACCEPT  |
|   | ON           | 2000, 5000 INHIBIT |
| 8 | OFF          | Setting OFF        |
|   | ON           | Setting OFF        |

| # | Dip Switch 2 |  |     |                         |                                    |
|---|--------------|--|-----|-------------------------|------------------------------------|
|   |              | ID-003   |     |                         | ID-0E4                             |
| 1 | OFF          | SW1  | SW2 | I/F Selection           | TTL                                |
|   | ON           | OFF  | OFF | Photo-coupler isolation | RS-232C                            |
|   |              | ON   | OFF | TTL                     |                                    |
| 2 | OFF          | OFF  | ON  | RS-232C                 | SW2 SW3 Baud Rate Selection        |
|   | ON           | ON   | ON  | Not used                | OFF OFF <b>Baud Rate : 9600bps</b> |
|   |              |  |     |                         | ON OFF <b>Baud Rate : 19200bps</b> |
| 3 | OFF          | Setting OFF  |     |                         | OFF ON <b>Baud Rate : 38400bps</b> |
|   | ON           | Setting OFF  |     |                         | ON ON <b>Baud Rate : 115200bps</b> |
| 4 | OFF          | Reverse the motor after stacking ON                    |     |                         |                                    |
|   | ON           | Reverse the motor after stacking OFF                   |     |                         |                                    |
| 5 | OFF          | Setting OFF  |     |                         | Setting OFF                        |
|   | ON           | Setting OFF  |     |                         | Setting OFF                        |
| 6 | OFF          | Anti fishing countermeasures disabled                  |     |                         |                                    |
|   | ON           | Anti fishing countermeasures enabled                   |     |                         |                                    |
| 7 | OFF          | Standard Current Mode. [Peak Current : 3.0A]           |     |                         |                                    |
|   | ON           | Maximum Current Limitation Mode. [Peak Current : 2.0A] |     |                         |                                    |
| 8 | OFF          | ID-003 Mode  |     |                         |                                    |
|   | ON           | ID-0E4 Mode  |     |                         |                                    |

### <LED Illumination Pattern Setting>

1. Make a note of the current DipSW setting.
2. Power off.
3. Set the DipSW.

[Enable(Idling) state]

| LED Illumination Pattern | Dip Switch 1 |     |     |    |    |    |    |    | Dip Switch 2 |     |     |     |     |     |     |     |
|--------------------------|--------------|-----|-----|----|----|----|----|----|--------------|-----|-----|-----|-----|-----|-----|-----|
|                          | 1            | 2   | 3   | 4  | 5  | 6  | 7  | 8  | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
| Green                    | ON           | OFF | OFF | ON | ON | ON | ON | ON | ON           | OFF | OFF | OFF | OFF | OFF | OFF | OFF |
| Green blink              | ON           | OFF | OFF | ON | ON | ON | ON | ON | ON           | OFF | OFF | OFF | OFF | OFF | OFF | ON  |
| Cyan                     | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | ON  | OFF | OFF | OFF | OFF | OFF | OFF |
| Cyan blink               | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | ON  | OFF | OFF | OFF | OFF | OFF | ON  |
| Blue                     | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | ON  | OFF | OFF | OFF | OFF | OFF |
| Blue blink               | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | ON  | OFF | OFF | OFF | OFF | ON  |
| Magenta                  | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | ON  | OFF | OFF | OFF | OFF |
| Magenta blink            | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | ON  | OFF | OFF | OFF | ON  |
| White                    | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | ON  | OFF | OFF | OFF |
| White blink              | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | ON  | OFF | OFF | ON  |
| Yellow                   | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | ON  | OFF | OFF |
| Yellow blink             | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | ON  | OFF | ON  |
| Red                      | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | OFF | ON  | OFF |
| Red blink                | ON           | OFF | OFF | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | OFF | ON  | ON  |
| Gradation                | ON           | OFF | OFF | ON | ON | ON | ON | ON | ON           | ON  | ON  | ON  | ON  | ON  | ON  | OFF |
| LED off                  | ON           | OFF | OFF | ON | ON | ON | ON | ON | ON           | ON  | ON  | ON  | ON  | ON  | ON  | ON  |

[Disable(Inhibit) state]

| LED Illumination Pattern | Dip Switch 1 |     |    |    |    |    |    |    | Dip Switch 2 |     |     |     |     |     |     |     |
|--------------------------|--------------|-----|----|----|----|----|----|----|--------------|-----|-----|-----|-----|-----|-----|-----|
|                          | 1            | 2   | 3  | 4  | 5  | 6  | 7  | 8  | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
| Green                    | ON           | OFF | ON | ON | ON | ON | ON | ON | ON           | OFF | OFF | OFF | OFF | OFF | OFF | OFF |
| Green blink              | ON           | OFF | ON | ON | ON | ON | ON | ON | ON           | OFF | OFF | OFF | OFF | OFF | OFF | ON  |
| Cyan                     | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | ON  | OFF | OFF | OFF | OFF | OFF | OFF |
| Cyan blink               | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | ON  | OFF | OFF | OFF | OFF | OFF | ON  |
| Blue                     | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | ON  | OFF | OFF | OFF | OFF | OFF |
| Blue blink               | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | ON  | OFF | OFF | OFF | OFF | ON  |
| Magenta                  | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | ON  | OFF | OFF | OFF | OFF |
| Magenta blink            | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | ON  | OFF | OFF | OFF | ON  |
| White                    | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | ON  | OFF | OFF | OFF |
| White blink              | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | ON  | OFF | OFF | ON  |
| Yellow                   | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | ON  | OFF | OFF |
| Yellow blink             | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | ON  | OFF | ON  |
| Red                      | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | OFF | ON  | OFF |
| Red blink                | ON           | OFF | ON | ON | ON | ON | ON | ON | OFF          | OFF | OFF | OFF | OFF | OFF | ON  | ON  |
| Gradation                | ON           | OFF | ON | ON | ON | ON | ON | ON | ON           | ON  | ON  | ON  | ON  | ON  | ON  | OFF |
| LED off                  | ON           | OFF | ON | ON | ON | ON | ON | ON | ON           | ON  | ON  | ON  | ON  | ON  | ON  | ON  |

4. Power up.
5. Set DipSW1-8 = OFF, then LED illumination pattern is selected.
6. If Setting is completed, Power OFF.
7. Restore the original DipSW setting.
8. Power up.
9. Acceptor returns to standby mode and the setup is completed.

## ID-003 Data Setting specification

### VERSION DATA

|              |   |
|--------------|---|
| SW. Version  | D(RUS)-500R-SD ID003-05v109-11 14MAR22 EE8D |
| Boot Version | B01   |

### ESCROW DATA

| Code | Denomination |
|------|--------------|
| 61h  | 200          |
| 62h  | 2000         |
| 63h  | 10           |
| 64h  | 50           |
| 65h  | 100          |
| 66h  | 500          |
| 67h  | 1000         |
| 68h  | 5000         |

### CURRENCY ASSIGN DATA

| Code | Country | Denomination | Exp. |
|------|---------|--------------|------|
| 61h  | 27h     | 14h          | 01h  |
| 62h  | 27h     | 14h          | 02h  |
| 63h  | 27h     | 01h          | 01h  |
| 64h  | 27h     | 05h          | 01h  |
| 65h  | 27h     | 0Ah          | 01h  |
| 66h  | 27h     | 32h          | 01h  |
| 67h  | 27h     | 64h          | 01h  |
| 68h  | 27h     | 32h          | 02h  |

### ENABLE/DISABLE DATA

| DATA bit | Data 1 | Data 2   |
|----------|--------|----------|
| 0        | 200    | Reserved |
| 1        | 2000   | Reserved |
| 2        | 10     | Reserved |
| 3        | 50     | Reserved |
| 4        | 100    | Reserved |
| 5        | 500    | Reserved |
| 6        | 1000   | Reserved |
| 7        | 5000   | Reserved |

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

### SECURITY DATA

| DATA bit | Data 1 | Data 2   |
|----------|--------|----------|
| 0        | 200    | Reserved |
| 1        | 2000   | Reserved |
| 2        | 10     | Reserved |
| 3        | 50     | Reserved |
| 4        | 100    | Reserved |
| 5        | 500    | Reserved |
| 6        | 1000   | Reserved |
| 7        | 5000   | Reserved |

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

### DIRECTION DATA

| DATA bit | Direction     | Sample demonination:100  |
|----------|---------------|--|
| 0        | 'A' Direction | <p>The diagram illustrates the coin's orientation and direction of travel. For the 'Front' side, direction 'A' (left) is labeled (FA) and direction 'B' (right) is labeled (FB). For the 'Back' side, direction 'D' (left) is labeled (BB) and direction 'C' (right) is labeled (BA). The coin is shown with '100' denomination on both sides.</p> |
| 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        | Not used            | Not used |
| 1        | Power Recovery [02] | Not used |
| 2        | Not used            | Not used |
| 3        | Not used            | Not used |
| 4        | Not used            | Not used |
| 5        | Not used            | Not used |
| 6        | Not used            | Not used |
| 7        | Not used            | Not used |

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

### [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.

## ID-0E4 Data specification

|                    |                    |   |                                       |  |                     |
|--------------------|--------------------|---|---------------------------------------|--|---------------------|
| <b>Part Number</b> | D500R-RU10911      |   |                                       |  |                     |
| <b>CRC32</b>       | E3DB1390           |   |                                       |  |                     |
| <b>Bill Table</b>  | <b>Bill TYPE x</b> | <b>Denomination<br/>Code<br/>First Byte</b> | <b>Country<br/>Code<br/>(3 bytes)</b> | <b>Denomination<br/>Code<br/>Second Byte</b> | <b>Denomination</b> |
|                    | Bill Type 0        | 0x02  | “RUS”                                 | 0x02   | “200-RUS”           |
|                    | Bill Type 1        | 0x02  | “RUS”                                 | 0x03   | “2000-RUS”          |
|                    | Bill Type 2        | 0x01  | “RUS”                                 | 0x01   | “10-RUS”            |
|                    | Bill Type 3        | 0x05  | “RUS”                                 | 0x01   | “50-RUS”            |
|                    | Bill Type 4        | 0x01  | “RUS”                                 | 0x02   | “100-RUS”           |
|                    | Bill Type 5        | 0x05  | “RUS”                                 | 0x02   | “500-RUS”           |
|                    | Bill Type 6        | 0x01  | “RUS”                                 | 0x03   | “1000-RUS”          |
|                    | Bill Type 7        | 0x05  | “RUS”                                 | 0x03   | “5000-RUS”          |
|                    | Bill Type 8        | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 9        | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 10       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 11       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 12       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 13       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 14       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 15       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 16       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 17       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 18       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 19       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 20       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 21       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 22       | 0x00  | -                                     | 0x00   | “0-”                |
|                    | Bill Type 23       | 0x00  | -                                     | 0x00   | “0-”                |