# BILLYONE UN1 note validator (ARM3) BILLYONE UN1 M.S. note validator (ARM3)

Operator's Manual

Rev. 1.06

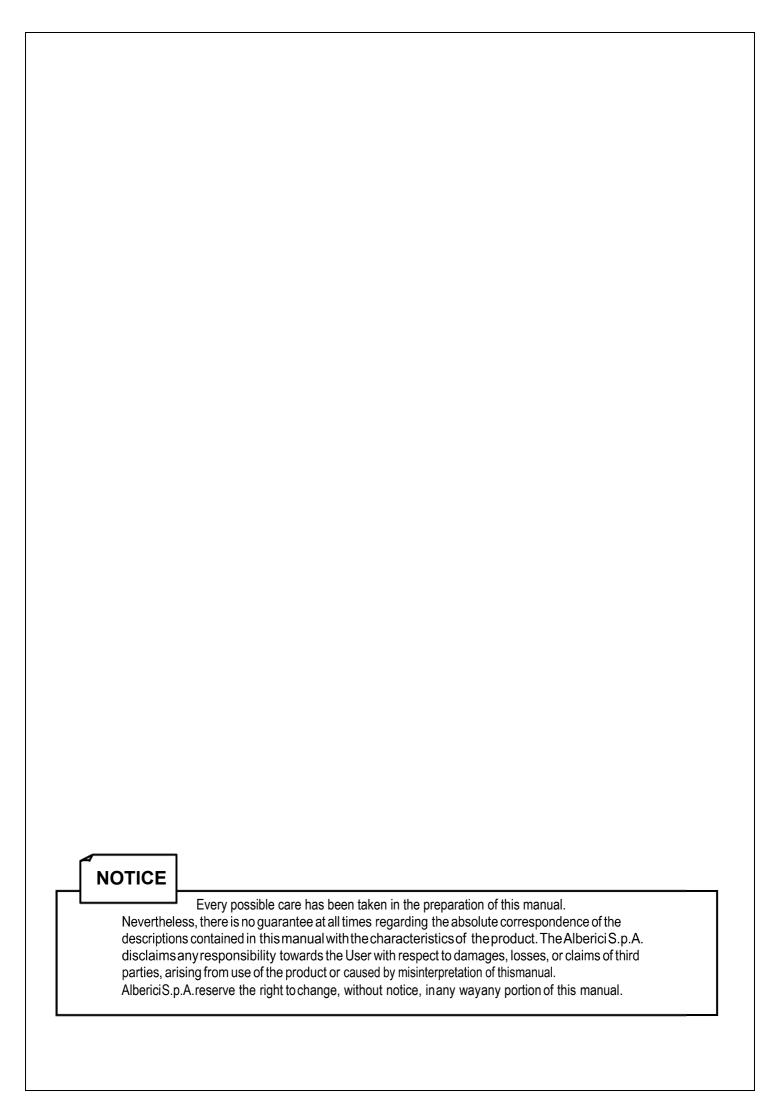




# **Operator's Manual**







# **CONTENTS**

1. General	······ <del>4</del>
2. Package contents	5
3. Product description	5
4. Mounting instructions	8
5. Messages	16
6. Maintenance	17
7. Calibration	18
8. Disposal of the Product	20
9. Terms of Guarantee	20
10. Customer Service	20

	STORICO REVISIONI							
Revisione n°	Data	Modifica	Note					
Creazione	14.06.17							
v.1.01	03.11.17	MDB su ARM 3						
v.1.02	18.12.17	Configurazione parallela in modalità PULSE / Nuova IF ccTalk						
v.1.03	14.05.18	Procedura calibrazione						
v.1.04	11.03.19	Aggiornamernto mini-USB						
v.1.05	24.07.19	Versione con sensore magnetico						
v.1.06	11.04.22	Nuove introduzioni rosse	standard 72mm EURO, 83mm UNIVERSAL, 67mm USD, 60-75mm PLN					

### 1. General

Dear Customer.

we would like to thank you and congratulate for your choice. We trust that you will appreciate the quality and performance of our BILLYONE UN1 note validator.

#### 1.1 Host machine design

- The manufacturer takes all possible measures to ensure the quality of this unit. However, performance decay or circuit faults could occur at the end of the product's life. Please ensure safety operation by making use of fail-safe design procedures.
- Please allow enough space around the validator to ease removal of the unit or collection of the banknotes.

#### 1.2 Mounting

- Do not obstruct the acceptor's air intakes or else proper cooling will not be possible
- Do not use the acceptor in extreme or widely changing temperature
- Do not expose the acceptor to direct sunlight or to incandescent lighting (> 3000 Lux)
- Do not use or store the acceptor in dusty areas or in presence of chemical vapours or sprays
- The acceptor is for indoor use only. Do not use it outside.
- When using the acceptor in presence of car exhausts or smoke, please clean and maintain the acceptor often and regularly.

### 1.3 Wiring

- Switch power supply off before connecting or disconnecting any cables.
- When wiring the connection cable, pay utmost attention to the specified power range and pin assignment. Wrong wiring may cause unit damage.
- Connect the power cable firmly.
- Do not pull or stretch the power cable.

#### 1.4 Caution

- When opening the Upper/Lower lid, disconnect power to the acceptor.
- When closing the Upper lid, do not put your fingers through.
- Do not modify the unit. Doing so may damage the product.
- Do not bump or drop theacceptor.
- Do not wipe or clean with thinners or organic solvents.
- Do not let moisture or liquids into or onto the acceptor.
- Do not use the acceptor outside the temperature / humidity range.
- The following banknotes might not be properly accepted, or might jam or damage the unit:
- a. Stained, worn, moistured, torn or wrinkled banknote
- b. Dog-eared banknotes
- c. Banknotes with incorrect cut dimensions or printing displacement
- d. Oil-smeared bills or with foreign bodies (i.e. sticking tape, a.s.o.)

#### 1.5 Disposal

- Dispose of this unit according to your Country's regulations for such types of industrial waste. This product is RoHS-compliant.

# 2. Package contents

The package contains the following items:

- 1. BILLYONE UN1 note validator
- 2. Installation manual (this manual)

This unit has been carefully packed, with special attention to protect it against damages. However, if you find anything damaged or missing, please contact immediately your local distributor. Upon reception, please open the box and check

for eventual damages, deficiencies or abnormalities, and in such case immediately report it to the forwarder and on the collection receipt.



# 3. Product description

The labels in the picture show the data updated to the versions of FW and HW valid at 04.06.2019.

Model: BILLYONE UN1

Protocols: ccTalk(non-encrypted)+USBport /

PulseParallel or Multi-Pulse / MDB)

 VersionHW:
 3.00-01 (\*)

 VersionFW:
 u2.3 A4.0.6(\*)

 MechanicalRev.RM:
 5.3.0

 Power supply:
 +12V / +24V

Current draw: 0,4 A (max. 1.0A)

Currency: EURO

Alberici BILLY ONE U

Pw:12V/24Vdc	ccTalk - Pulse						
0.4A(max1A)	EU: 5 10 20 50 100						
Cid:236	PB:EU.2.0.0.5						
Rm:5.3.0	Hw:3.00-01 Fw:u2.3 A4.0.						





Default currency is EURO 5.1-10.1-20.1-50.1-100.1 (Eur I series), 5.2-10.2-20.2-50.2-100.2 (Eur II series). Please ask in advance for different needs (see Appendix 1 page 20 for the available datasets).

It is however always possible to re-program the validator for a different currency, by using the programming Interface K-P1C-000009 (or the K-P2C-000003 IF) in combination with the "AlbericiUpgLettore" software.

Inlets available are:

#### STANDARD VERSION:

- standard 72mm EURO red inlet (P-ALB026-002)
- 83mm UNIVERSAL red inlet (P-ALB025-002)
- 67mm USD red inlet (P-ALB025-002)
- 60-75mm PLN red inlet (P-ALB027-002)

#### MAGNETIC SENSOR VERSION:

- 67mm USD red inlet (P-ALB025-002)
- 83mm UNIVERSAL red inlet (P-ALB025-002)

These "MS" versions are meant to be used for CURRENCIES WITH MAGNETIC IDENTIFICATION ELEMENTS

The serial number includes the product identifier 'LB0-', followed by the progressive production no. (made up of 7 digits). Example: LB0-0084312.

The relevant data of the note validator can also be read by using the "AlbericiUpgLettore" Software:

(\*) to-date: 04.06.2019



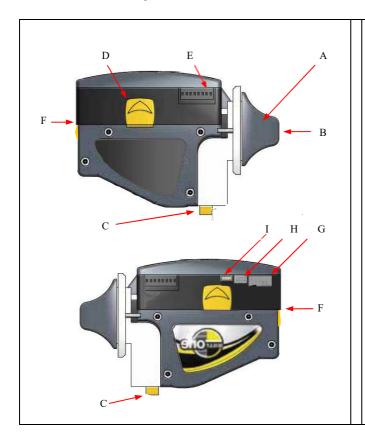
Pw:12V/24Vdc	ccTalk - Pulse							
0.4A(max1A)	EU: 5 10 20 50 100							
Cid:236	PB:EU.3.1.0.5							
Rm:5.3.0	Hw:3.00-01 Fw:u2.3 A4.0					3 A4.0.6		







# 3.1 Parts description



- A. Front-plate
- B. Notes inlet
- C. Removal button
- D. Sled button to pull top open
- E. Dip-switch row
- E. Accepted notes outlet
- F. 10p Connector



H. USB Mini-B port



# 3.1 Technical Specifications

ALIMENTAZIONE / POWER SUPPLY	12V / 24V   ±5%
ASSORBIMENTO / CURRENT DRAW	200 mA (stand-by)   400 mA (work cycle, max 1 Amp)
PROTOCOLLI / INTERFACE	ccTalk / Pulse + USB mini-B / MDB (§)
TASSO DI ACCETTAZIONE / ACCEPTANCE RATE	92% = alta sicurezza / high security setting 98% = sicurezza standard / standard security setting
TECNOLOGIE DI RICONOSCIMENTO / SCAN TECHNOLOGY	Trasparenza e riflessione (sensori IR e sensori cromatici) VHR VHR transparency and reflection (IR and colour sensors)
VELOCITÀ DI VALIDAZIONE / VALIDATION SPEED	2 sec ca. (4 versi) / approx. 2 sec (any of 4 directions)
BANCONOTE COMPATIBILI / BANKNOTE SIZE	72,0-83,0 mm larghezza / width - vers. \$ M.S. = 67,0 mm
TEMPERATURA DI UTILIZZO / OPERATING TEMPERATURE	0°C ÷ 50°C (senza condensa/without condensation)
TEMPERATURA DI MAGAZZINO / STORAGE TEMPERATURE	-10°C ÷ 60°C (senza condensa/without condensation)
Peso / Weight	0,565 Kg

(§) The USB output is not available on the MDB version.

### 3.2 Dimensions

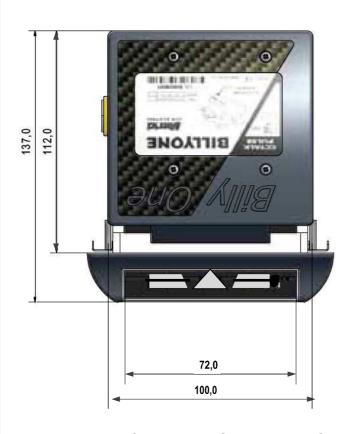
Left side wiew



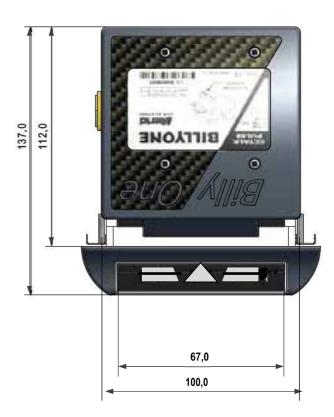
Front view



View from top



BillyOne UN1 - BillyOne UN1 Univ. M.S Introduzioni 75mm o 83mm disponibili, a richiesta



BillyOne UN1 \$ M.S.

N.B.: All measures are in mm

# 4. Mounting instructions

### 4.1 General

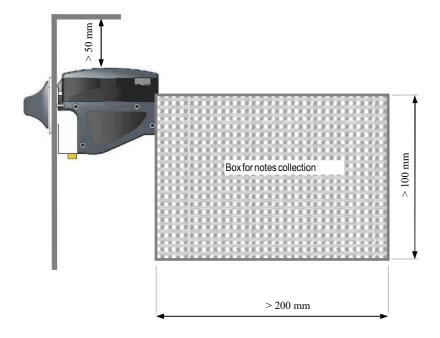
Installation	Preferably indoors; always integrated into cabinets suited to the place of use.
Positioning	Positioning Level mounting on plate (protected against vibrations and shocks). Allowat least 50 cm free space on the device, in order to operate with ease when opening or removing it. Leave the back of the device free from obstacles, not to hinder accepted notes.
Notes stacker	No stacker
Light	Prevent direct sunlight from hitting the inlet: use incandescent lamps in the working environment.  Gradient of incidence of the light: > / = 15 degrees.

The collecting box for the accepted notes should be placed behind the device and below his lower profile. Its recommended minimum size is:

min. 100 mm useful height,

min. 100 mm in width, and

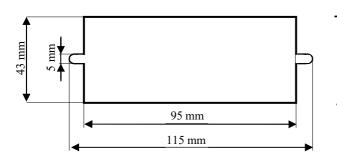
min. 200 mm in length.



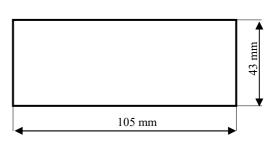


### 4.2 Mechanical fitting

1. Mounting panel must be up to 7 mm thick.
Cut out a window as shown in figure below, size 43mm (height) x 95mm (width).
Even a simple rectangular cut-out of 43mm (height) x 105mm (width) will do.





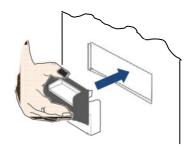


2. To release the main body from the front plate, press the yellow button C (see page 6), located under the validator, and slide the validator body backward until it comes out.



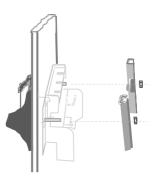
3. Remove from the front plate the two hex nuts holding the two fixing brackets.

Fit the front plate in the window provided on the panel (see point 1).



4. Fasten the front plate to the door by the 2 fixing brackets and their fixing nuts.

Take care not to tighten the nuts too much.



7. Insert the inlet of the note validator in the cut-out, and push the unit frontward, until it hooks in.

Make sure that the validator and its bezel are securely fixed to the door.

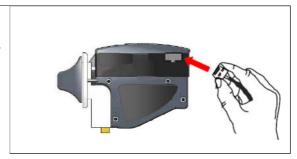


To remove the device, perform the above procedure from end to start.

### 4.3 Electrical connections and settings of the unit

The BILLYONE UN1 validator is designed for 12 Vdc or 24 Vdc power supply: it recognizes which voltage is available, and adjusts its circuit automatically.

Once connected, take care that the cable is protected against any mechanical stress or accidental pull.



#### 4.3.1 Connection wiring

Make use of quality components complying with the current draw values, as for example:

Socket	IDC socket	Socket for flat cable
Wire	AWG24 (UL1061)	Flat cable, pitch 1,27 mm - AWG28 (UL2651/UL20012)

To connect the validator to the machine board:

- 1. Make sure the power is off.
- 2. Insert the cable into the 10pconnector.
- 3. Turn on the power and test for correct operation.

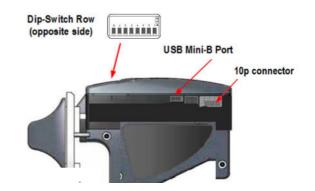
Starting from Rm 5.2.0, the note validator is equipped with one **mini-USB port**, that can be used **for ccTalk direct communication (without echo message)** between the validator and the host.

Win10 includes the drivers, else please download them from the validator page in our website.

ccTalk communication only flows through the mini-USB port, while power (12/24Vdc for BillyOne, or 24Vdc for OryOne) must be provided to Pin 10 (+) and Pin 8 (GND) of the 10p socket.

The note reader must be set to ccTalk protocol (Dip-Switch 1 = ON).

Updating, programming, and calibration still need the external grey
USB interface (pendrive or kit) to be connected to the 10p socket.

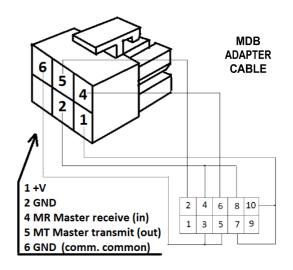


#### 4.3.2 MDB 10p pin-out to 6p plug

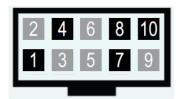
When setting the reader for MDB protocol (see 4.3.4 Dip-Switch Settings), it might be necessary to adapt the 10p outputs to the 6p cable from the master Board of the machine. The drawing here aside shows the connections between the 10p socket pins and the 6p plug:



The MDB connection cable can be ordered by the # nr. S-031005-000.

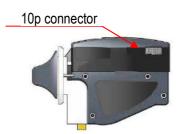


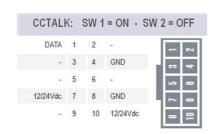
#### 4.3.3 10 Pin interface connector



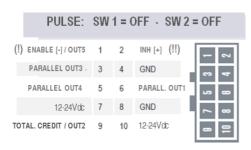
The 10p connector, for connection to the machine Master board, is located at the right side of the BILLYONE UN1 note reader.

Starting from hw 2.00 and fw u 2.1.A.3.0.6, the note validator is also equipped with one mini-USB port.

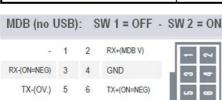




Pin	Signal	Function	Pin	Signal	Function
1	CCT	CCT Data (active	6	NC	Not connected
		low)			
2	NC	Not connected	7	Vcc	+12/24Vdc
					(Power supply)
3	NC	Not connected	8	Vss	GND (Power supply)
4	NC	GND	9	NC	Not connected
5	NC	Not connected	10	Vcc	+12/24Vdc
					(Power supply)



Pin	Signal Total. / <b>Paral.</b>	Function: Totaliz. / <b>Parallel</b>	Pin	Signal Total. / <b>Paral.</b>	Function: Totaliz. / <b>Parallel</b>
1	(!) ENABLE =- / PARAL. OUT5	Enable TOT. = GND / <b>Parallel 100</b> €	6	VOID / PARAL. OUT1	VOID / (active Low) <i>Parallel 5</i> €
2	VOID / <b>INH + (!!)</b>	VOID / Inhibit = +3V÷30V	7	Vdc	+ 12÷24 Vcc / + 12÷24 Vcc
3	VOID / PARAL. OUT3	VOID / (active Low) <i>Parallel 20</i> €	8	GND	GND / GND
4	GND	GND / GND	9	TOTALIZER / PARAL. OUT2	(
5	VOID / PARAL. OUT4	VOID / (active Low)  Parallel 50 €	10	Vdc	+ 12÷24 Vcc / + 12÷24 Vcc



GND 12/24Vdc

12/24Vdc

**PULSE TOTALIZER**: if pin1 = GND ---> validator is enabled. If pin1=floating or +3V÷30V ---> validator disabled. **PULSE PARALLEL**: if pin2 = floating or GND ---> validator is enabled. If pin2 = +3V÷30V ---> validator disabled.

Pin	Signal	Function	Pin	Signal	Function
1	NC	Not connected	6	TX +	Tx (Active low)
2	RX +	Rx (+V MDB)	7	Vcc	+12/24Vdc
					(Power supply)
3	RX -	Rx	8	Vss	GND
		(Active low)			(Power supply)
4	GND	GND	9	NC	Not connected
5	TX -	Tx (0V MDB)	10	Vcc	+12/24 Vdc
		,			(Power supply)

#### 4.3.4 Dip-switch row and unit setting



The Dip-Switches allow to set the communication mode (interface protocol) and other useful features. The DS row is located on the left side of the validator.

BEWARE! The functions that can be set by Dip-Switch in the BillyOne UN1 do not correspond to the ones in the previous BillyOne generation.

#### Examples of communication settings of the interface by DS5, DS6, DS7

Ex.1:for operationin ccTalk mode, move the dip-switch 1 to ON:



Ex. 2: for operation in Pulse mode, 1€ = 1 pulse, 200mA pulse length:



SW N°			DIP-SWITCH FUNCTIONS			
	SW 1 SW 2		Protocol Interface Mode			
SW 1	V1 OFF OFF		Pulse			
е	ON	OFF	ccTalk			
SW 2	_	ON	MDB			
	ON	ON	SAS			
		V 3	Pulse communication modes			
SW 3		-F	Pulse Parallel Outputs (Out 1 = 5€, Out2 = 10€, Out3 = 20€, Out4 = 50€, Out5 = 100€)			
		N	Pulse Accumulator Output (see SW 4 / SW 5)			
		SW 5	Accumulator value (only for Pulse mode)			
SW4	OFF	OFF	5 Euro = 1 Pulse			
е	OFF	ON	5 Euro = 5 Pulses (1 Euro = 1 Pulse)			
SW 5	ON	OFF				
	ON	ON	5 Euro = 10 Pulses (1 Euro = 2 Pulses)			
		V 6	Acceptance rate / Anti-fake Security level			
SW 6		FF	!!!! Acceptance 98% = Standard security level !!!!			
		N	Acceptance 92% = High security level (false notes mode)			
		V 7	Pulse length (only for Pulse mode)			
SW 7		FF	100 msec. / 100 msec. (time ON / time OFF)			
		N	200 msec. / 200 msec. (time ON / time OFF) - re-programmable			
	SV	V 8	Activation of Anti-Fraud signals			
SW 8	Ol	FF	Anti-fraud override enabled: first 3 attempts are signaled, + 2 attempts cause 15' inactivity, with yellow flashes (see ** in Table AF: ANTI-FRAUD OPERATION MODES)			
	0	N	Anti-fraud override disabled: the note gets rejected with no fraud attempt signals (see *** in Table AF: ANTI-FRAUD OPERATION MODES)			

Please pay attention: after any change in the DS settings, power must be turned off and then on again, so that the validator can detect the set operation mode.

# Table AF: ANTI-FRAUD OPERATION MODES (\*\*) Dip-Switch SW8 = OFF

Progressive attempt no.	Reaction of the Validator	Measure to be taken	Progressive attempt no.	Reaction of the Validator	Measure to be taken
1st	Remains in operation	-	4°	> error (sequence of 3 red flashes	Switch off and then on
2nd	Remains in operation	-			
3rd	> error (sequence of 3 red flashes	Switch off and then on		raud attempt (3 yellow flash matic restore of service. Ta the device off.	

#### (\*\*\*) Dip-Switch SW8 = ON

Any attempt at "fishing" will cause the note to be rejected, without showing any visible signal.

Solid yellow light

Error in ccTalk communication.

Check voltage level (12 or 24Vdc). Power the device off and on.

<sup>(\*)</sup> The pulse length can be modified by the dedicated function available in the Alberici Upg programming software menu. Such programming software is available for download in our Website.

#### 4.3.5 Enable/Disable programmed denominations

All the notes of the programmed currency are factory enabled. The denominations are stocked in the validator memory. It is possible to disable/re-enable one (or more) denomination(s) by following the steps described below:

#### - Disabling banknotes

Move DS No. 1, DS No. 4 and DS 5 to ON position. Turn power on: the front plate LED will light up white. Insert the banknote that you want to disable. The LED will blink yellow 3 times when the note is returned, to mean that the note has been disabled. Insert the following banknote that you want to inhibit, or switch power off and on again.



#### - Enabling banknotes

Move DS No. 1 and DS No. 4 to ON position.

Turn power on: the front plate LED will light up white.

Insert the banknote that you want to enable. The LED will blink green 3 times when the note is returned, to mean that the note has been enabled. Insert the following banknote that you want to enable, or switch power off and on again.



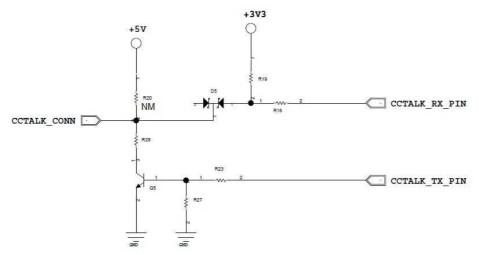
When finished, put all the DS in their original position (eg. for operating in ccTalk, all DS must be in OFF position).

NOTICE: enabled and disabled banknotes are signalled at device switch-on, depending on the number of coloured flashes from the faceplate LED.

The LED in the front panel flashes as many times as the total number of the programmed denominations; e.g., for the EURO, it flashes 5 times (1st flash = €5 banknote, 2nd flash = €10 note, 3rd flash = €20 banknote, 4th flash = €50 banknote, 5th flash = 100 € banknote). If the LED flashes green, the bill is enabled; if it flashes yellow, the note is disabled.

For example, if the denominations of 5, 10, 50 Euro are set to be accepted, and the denominations from 20 and 100 Euros are set to be inhibited, the 1st, 2nd, and 4th flashings will be in green colour, while the 3rd and 5th flashing will be in yellow.

#### 4.3.6 ccTalk Interface circuit

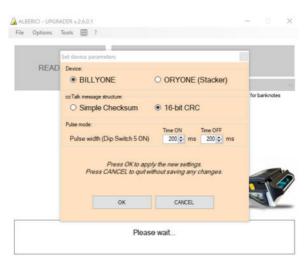


The Note Validator operates by default by 16bit CRC Checksum.

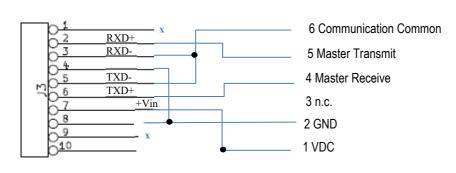
To convert 16bit to simple checksum (8bit), please make use of the Alberici Update Software (available on <a href="https://www.alberici.it/eng/products/note-validators/without-stacker/billyone">https://www.alberici.it/eng/products/note-validators/without-stacker/billyone</a>, in the Download section).

Open the Options menu and set checksum as follows:

- 1) OPTIONS: choose and open ADVANCED OPTIONS: choose "Menu Tool: Enable all tools"
- 2) TOOLS: "Set device parameters"; choose either "simple checksum" (8–bit) or "16-bit CRC", then press OK.

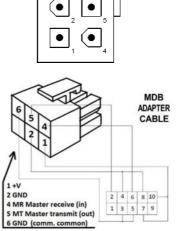


#### 4.3.7 MDB 10p output



The MDB version supports all the standard (Level 1) MDB commands.

When setting the reader for MDB protocol (see 4.3.4 Dip-SwitchSettings), the 10p output must be converted to the 6p MDB standard cable from the master pcb of the machine. Adapter cable is available (ref. S-031005-000).



#### 4.3.8 Supported ccTalk headers (16-bit Cyclic Redundancy Check)

#### **Supported Specifications**

#### **CcTalk supported specifications list**

- 1. cctalk Generic Specification Issue 3.2
- 2. cctalk Expansion for Bill Validators Issue 2.1

#### **Supported Command Headers**

#### **CcTalk supported commands list**

#### 1. Core Commands

Header 192 - Request build code

Header 244 - Request product code

Header 245 - Request equipment category id

Header 246 - Request manufacturer id

Header254 - Simple poll

#### 2. Core Plus Commands

Header 001 - Reset device

Header 004 - Request comms revision

Header 241 - Request software revision

Header 242 - Request serial number

#### 3. Bill Validator Commands

Header 145 - Request currency revision

Header 152 - Request bill operating mode

Header 153 - Modify bill operating mode

Header 154 - Route bill

Header 156 - Request country scaling factor

Header 157 - Request bill id

Header 159 - Read buffered bill events

Header 197 – Calculate ROM checksum

Header 213 - Request Option flags

Header 216 - Request data storage availability

Header 227 - Request inhibit status

Header 228 - Modify master inhibit status

Header 230 - Request inhibit status

Header 231 - Modify inhibit status

Header 247 - Request variable set

# 5. Fault and functional messages

#### 5.1 Error warnings: red flashes - yellow flashes - blue flashes

The number of flashes emitted from the front plate allows to check the possible reason for malfunction.

N° of red flashes	Description
1	Validator is open
2	Jammed banknote
3	Fraud attempted
5	Adjust optics
7	-
9	Low power supply
11	Check encoder+motor efficiency
12	-
14	ROM error

If ccTalk communication drops off, the validator face led will lit up solid yellow:

Solid yellow light Error in ccTalk communication.
Check voltage level (12 or 24Vdc). Power the device off and on.

Regular blue blinkings

Position of dip-switch 1 is not compatible with host communication mode.

The banknote reader is equipped with a security device that gets activated in the event of fishing fraud attempts repeated over a period of time. This device can be set through the dip-switch SW8 to operate in a "soft" mode (\* DS8 = ON) or in "extended" mode (\*\* DS8 = OFF).

#### (\*) Dip-Switch SW8 ON

Any attempt at "fishing" will cause the note to be rejected, without showing any visible signal.

(**) Dip-Switch SW8 OFF				
Attempt	Validator reaction	Do as described below		
1°	Remains in service	-		
2°	Remains in service	-		
3°	> error (3 red flashes)	Reset (switch off then on)		
n°	> error (3 red flashes)	Reset (switch off then on)		
After the 5th fraud attempt (3 yellow flashes), it is necessary to wait for automatic restore of service. Take care not to switch the device off while waiting.				

NOTICE: no error status is communicated to the machine, so that the latter does not go out of service, and then continue to maintain the other functions working.

MANUALE BILLYONE UN1	Pag. 17

### 6. Maintenance

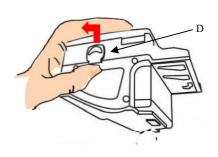
#### 6.1 Manual cleaning

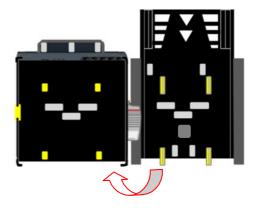
The ability of acceptance may decrease due to the accumulation of dust and cellulose dust released by banknotes during transit, or because of residues or sprays, which may spread on the detecting sensors and on transmission parts. It is therefore recommended that you *clean these parts monthly*, as indicated below.

 Turn off the power and unplug the cable from the 10-pin connector interface.
 Press the yellow button C, located under the reader, to release the main body from the faceplate, and slide it backwards.

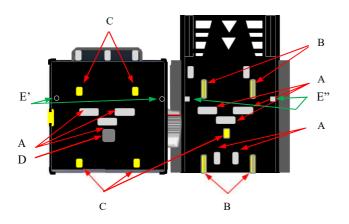


2. Move the D button upward, hold it while sliding the cover backwards; then lift the latter up and rotate it 180° to the right side.





- 3. Gently wipe the sensors with a clean, lint-free tissue, or with a cotton swab, or with a small sponge, possibly moistened with isopropylalcohol.
- 4. Completely remove the dust and residues from the 4 silicone rollers, and from the 4 elastic matching wheels which are located in the lower surface of the upper lid. To remove the most stubborn dirt from rollers and wheels, use *isopropylalcohol*.



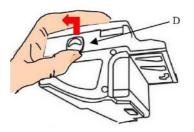
PAY ATTENTION: do not use organic detergents (ex. alcohol, thinners, or petrol). Use only isopropyl alcohol.

- A. Optic Sensors
- B. Traction Rollers
- C. Elastic matching wheels
- D. Magnetic sensor (only in LB-MU02, LB-LU11, LB-MU12)

E'-E". Alignment sensors (spray pressurized air into the holes)

#### 6.2 Jammings

CAUTION! Turn off power before opening its upper lid. Open the top cover by pressing D, as described in section 6.2.1 (point 2), and pull out the stuck banknote (as well as any other objects that will hinder the transit).



### 7. Calibration

Calibration should be carried out when acceptance rate decreases substantially, and/or after thorough cleaning of the note validator and particularly of its optic sensors glasses.

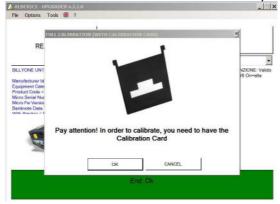
Full Calibration requires usage of the Alberici Calibration Card (AA-0245). A more basic calibration (Partial Calibration) can be carried out as well without such Card.

Calibration operation is part of the Firmware Update tool 'AlbericiUpgLettore.exe' (see directions for use "Instructions - ENG - BillyOne, OryOne update", available on the web site).

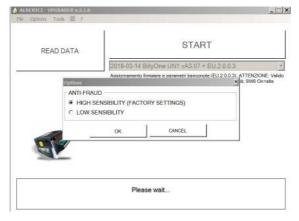
Launch the 'AlbericiUpgLettore.exe' Software, and open its Tools Menu and select 'Calibration', then choose 'Full Calibration' or 'Partial Calibration'.

#### Full Calibration:

you will be prompted to use the Calibration card. Place the Card and press OK.



If the 'Enable advanced functionalities' box in 'Options/Advanced' has been ticked, the program will ask to choose between High Sensibility (factory default) and Low Sensibility. Tick the desired choice, then OK.



Once made your choice, or straight away if the 'Enable advanced functionalities' box has not been preset, calibration will start. If the card is not in, the system will remind you to insert it and restart the process:



Once positioned the Calibration Card, press OK button and wait until confirmation of process ended.

#### Partial Calibration:

If the 'Enable advanced functionalities' box has been ticked in the 'Options/Advanced', the program will ask to choose between High Sensibility (factory default) and Low Sensibility. Tick the desired choice, then OK.

Once made your choice, or straight away if the 'Enable advanced functionalities' box has not been preset, you will be reminded to check that the validator is empty and closed.

Press OK: shortly after, the program will confirm the end of the Partial Calibration:





# 8. Disposal of the Product



# WARNING! DISPOSE OF THIS DEVICE ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY!

This equipment may not be treated as household waste. Instead, it must be handed over to the applicable collection point for the recycling of electric and electronic equipment. By ensuring that this product is dised of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

For more detailed information about recycling of this product, please contact the Dealer where you purchased this product.

Ref.: D. Lgs. 151/2005 - Directive 2002/96/EC

### 9. Terms of Guarantee

The manufacturer will fix malfunctions arising from production faults in this device or its parts within 12 months from the date of sale.

All communications referring to guarantee repairs or replacements must be accompanied by the product serial number and the copy of the sale invoice.

To obtain your guarantee repair, please send the item to the Dealer where you purchased the machine, together with the following documents:

- copy of the sale invoice
- delivery note stating "returned for guarantee repair"
- detailed report of the problem found and the circumstances in which it occurs.

Before sending the product, please get in touch with your Dealer or with Alberici S.p.a. (+39 051 944300); very often, malfunctions can be fixed via a simple phone call, saving you costs and time.

Alberici S.p.a. will verify that warranty is applicable, i.e. that problem is not caused by:

- transport damages
- damages from incorrect installation or wrong configuration
- installation in premises or areas not complying with the prescribed safety requirements
- intentional or unwilled tampering
- wrong or careless use or maintenance
- non-compliance with precautions prescribed (see Chapter 4. Caution)
- natural disasters, vandalisms, intentional or unintentional damage

Guarantee will be considered automatically expired if outer and inner labels are missing.

Transport costs of repaired products are at the Customer's charge.

### 10. Customer Service

Alberici S.p.a. will be pleased to offer all the necessary information on use, ordinary maintenance and technical service. Please call (+39) 051 944300 and specify if your request concerns information on use or technical support.

### Appendix 1: List of available currencies (1)

AE	AE Dirham UA Emirates	GB	GBP Pound Sterling UK	RO	ROM Lei Romania
BA	KM Marka Bosnia	GE	GEL Lari Georgia	RS	DIN Dinar Serbia
BGN	Leva Bulgaria	HR	HRK Kuna Croatia	RU	RUB Ruble Russia
BR	BRR Rial Brazil	HU	HUF Florint Hungary	SE	SKK Krona Sverige
CH	FRS Franc Switzerland	IL	SKL Sheckel Israel	UA	GRV Hryvnia Ukraine
CH-EU	FRS Franc Switzerland + Euro	KZ	KZT Tenge Kazakhstan	UZ	UZB Som Uzbekhistan
CZ	CZK Kruna Czech Republic	LBP	Pound lebanon	US	US Dollar USA (only versions
DK	DKK Krona Denmark	MD	MDL Leu Moldavia	with Ma	gnetic Sensor)
EU	Euro Europe	MXN	Peso Mexico	ZAR	Rand South Africa
	•	PL	PLN Zloty Polska		
			-		

Please contact us for any other currencies that you may need

(1) As of 31.12.2022

MANUALE BILLYONE UN1	Pag. 21



#### DICHIARAZIONE DI CONFORMITÀ

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#### **DIRETTIVA 2014/35/UE - DIRETTIVA 2014/30/UE**

La ditta Alberici S.p.A., avente sede in via Ca' Bianca 421, 40024 Castel San Pietro Terme (BO) – Italia,
DICHIARA

che il sistema classificato nella famiglia di prodotto apparecchio elettrico d'uso domestico e similare – Lettore di Banconote BillyOne, identificato univocamente da:

Modello	Configurazione	Versio	on	Tipo	N° di Serie e/o matricola
BILLYONE	☐ ccTalk - Pulse ☐ MDB – Pulse ☐ Magnetic Sensor		☐ 12 Vdc ☐ 24 Vdc		
(00)000000009/2013 18/11/2013, dalla ST	3, finito di testare posit FP S.r.l., con sede legal 4, 4, 40127 Bologna (B	ivamente ai fi le in via P.F.	ni EMC e L Andrelini, 4	VD (rapporto 2, 47121 Forlì	vente matricola nº LB-LC01 6634CE-BILLYONE.doc) il (FC), Italia e sede operativa anto previsto dalle seguenti
- CEI EN 5 - CEI EN 5 - CEI EN 5 - CEI EN 6 - CEI EN 6 - CEI EN 6 - CEI EN 6	nonizzate (per i punti a) 55014-1 (CEI 110-1); 55014-2 (CEI 210-47); 55022 (CEI 110-5); 55024 (CEI 210-49); 60065 (CEI 92-1); 60335-1 (CEI 61-150); 60335-2-82 (CEI 61-22); 61000-3-2 (CEI 110-31)	6);	CEI EN 61 CEI EN 61 CEI EN 61 CEI EN 61 CEI EN 61	000-3-3 (CEI 2 000-4-2 (CEI 2 000-4-3 (CEI 2 000-4-4 (CEI 2 000-4-5 (CEI 2 000-4-11 (CEI 2 233 (CEI 61-2	210-34); 210-39); 210-35); 110-30); 110-29); 210-64);
- 2	à ai requisiti essenziali 014/35/UE del 26 Febb 791 del 18 Ottobre 19	oraio 2014;	della Direttiv	va Bassa Tensi	one:
- 20 - D	à ai requisiti essenziali 014/30/UE del 26 Febb ).Lgs. 194 del 06 Nove	oraio 2014; mbre 2007		<i>y</i>	tà Elettromagnetica:
	presunzione di conform rme (BO), Italia, lì,	nità alla Dirett	iva 2004/10	8/CE	

Alberici S.P.A.

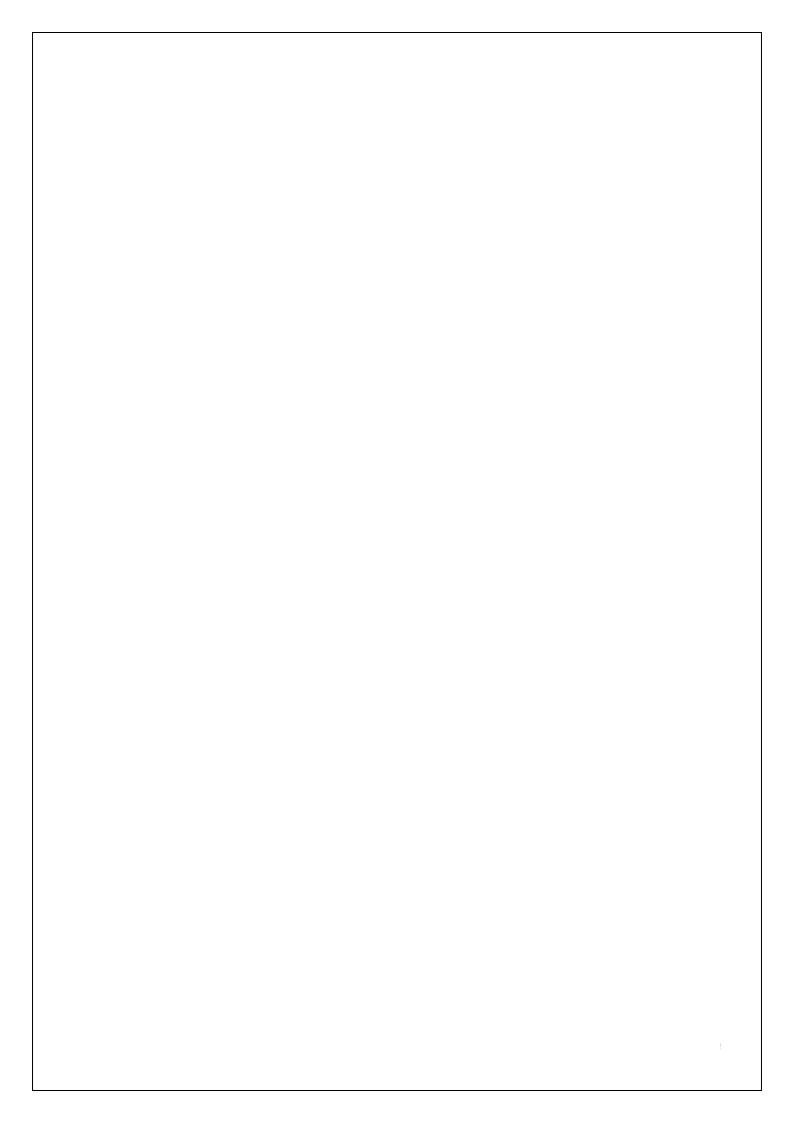
Progettazione e produzione sistemi di pagamento, accessori per videogames e vending machines Via Ca' Bianca 421, Zona industriale, 40024 Castel San Pietro Terme (BO), Italia Telefono:+39-(0)51-944300 r.a. - Fax:+39-(0)51-944594 - P.Iva:00627531205

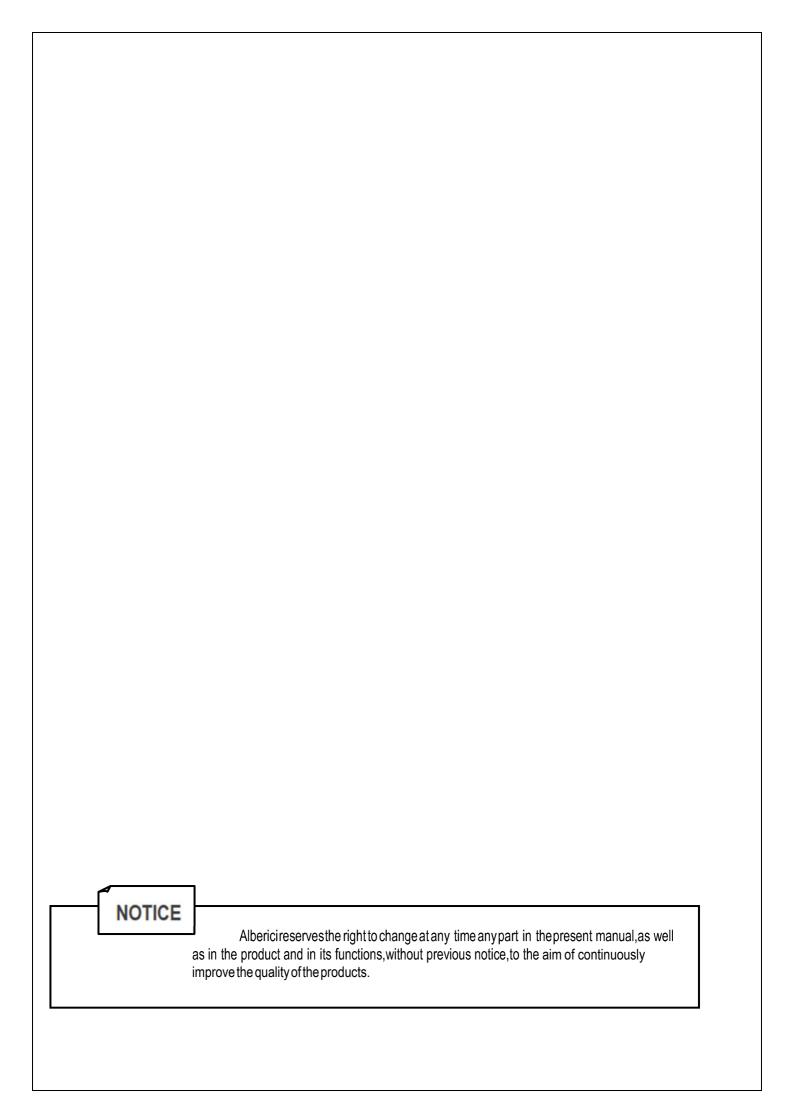
E-mail: info@alberici.net - Url: http://www.alberici.net



Februiro Alhorici

Il Presidente







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info@alberici.net