


BillyOne/OryOne note scanner

Instructions for retrieval of banknotes parameters

Rev. 1.00

PREPARATORY OPERATIONS:

1. Before installing the software, verify that your PC must have the Framework 3.5 from Microsoft. If not, download it from the web.
2. If your PC does not contain the drivers for the programming interface (driver file from Silicon Labs), please download them: they are supplied with the CD- software provided with the programming Kit, or it is available in the Download Area of www.alberici.net, under 'Programming Kit' / 'Drivers universal kit'.
3. Paste the file "AlbericiBillyoneScanner.zip" on your PC, unzip it to obtain the folder 'AlbericiBillyOneScanner', then extract the application file "AlbericiBillyoneScanner.exe":  BillyOne_BanknotesScanner.exe
4. Prepare as many banknotes as you can of the denominations (at least 10 for each denomination) that must be scanned. Take care that they are worn out at different degrees.

- CONNECT THE NOTE VALIDATOR TO THE PC BY THE UNIVERSAL PROGRAMMING KIT (K-P2C-000009)

1- Connect the power supply box to the 24Vdc input on the slant side of the programmer box.

2- Connect the USB cable between the PC and the USB-A slot on the slant side of the programmer box, or else

connect the RS232 cable between the PC and the socket located on the slant side of the programmer box.

3- Record the positions of the Dip-Switches in the validator. Then move all Dip-Switches to OFF, leave only DS1 to ON.


4- Connect the 10p/10p cable between the BillyOne 10p socket and the 10p connector on the cctalk side of the programmer box. Otherwise make use of the 4p/10p cable from the same cctalk side.

5- Make sure that the set COM Port is the one where the PC detects the programming interface (check Control Panel / Device Management on your PC); if necessary, change the COM setting.

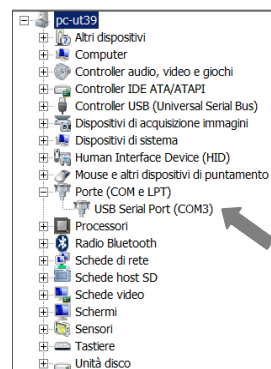
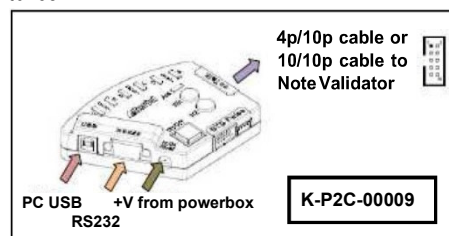
6- Turn on power to the programming box (press green switch):

the note reader will blink yellow, then will lit up still yellow.

The software will find automatically the COM port. Confirm it in the "Options/Com" menu. If the COM Port set by the application is not correct, a dialogue window will inform that the COM Port is wrong. In this case, open the Options menu and find the proper COM Port no. To find it, check your Pc for "Control panel/Device management/COM/LPT Ports".

Set this COM Port no. as the software connection, else move the device to the COM Port set by the application (in figure:  COM3)].

7- Go to section A.



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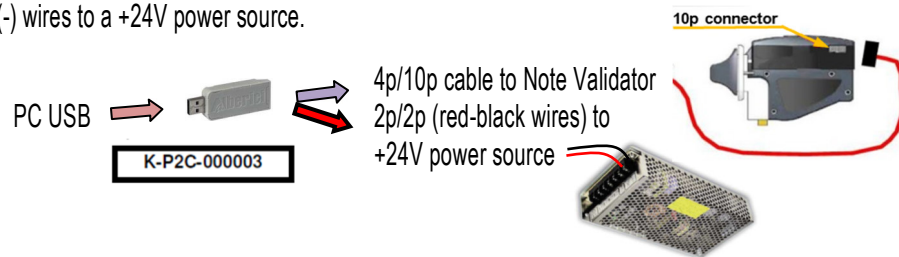
Progettazione e produzione di sistemi di pagamento, accessori per videogames e macchine vending
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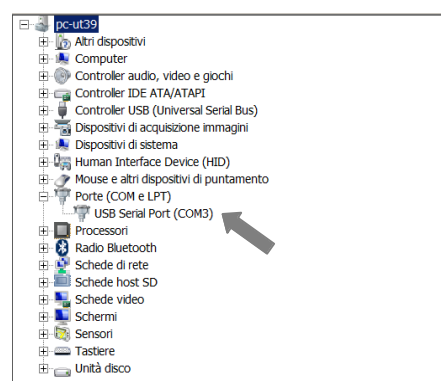
- CONNECT THE NOTE VALIDATOR TO THE PC BY THE USB GREY PENDRIVE (K-P2C-000001 or K-P2C-000003)

1- Insert the Pendrive on a USB port of the PC, and fit the 4p / 10p cable between the Pendrive and the 10p socket of the note validator. Connect the socket of the 2p cable (red and black wires) to the 2p socket of the grey Pendrive. Connect the red (+) / black (-) wires to a +24V power source.



2- Make sure that the set COM Port is the one where the PC detects the programming interface (check Control Panel / Device Management on your PC); if necessary, change the COM setting.

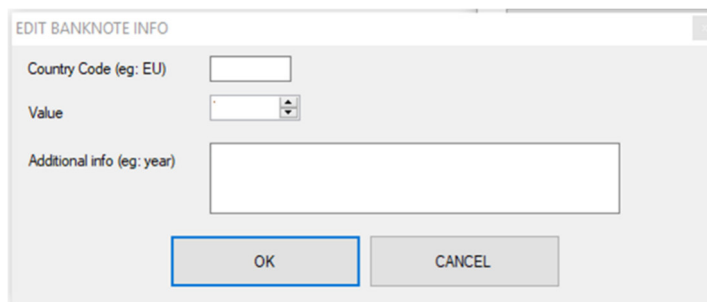
3- Turn on power to the programming box (press green switch): the reader will blink yellow, then will lit up still yellow. The software will find automatically the COM port. Confirm it in the “Options/Com” menu. If the COM Port set by the application is not correct, a dialogue window will inform that the COM Port is wrong. In this case, open the Options menu and find the proper COM Port no. To find it, check your Pc for “Control panel/Device management/COM/LPT Ports”. Set this COM Port no. as the software connection, else move the device to the COM Port set by the application (in figure: \Rightarrow COM3)].



4- Go to section A.

A. Open up the application “BillyOne_BanknotesScanner.exe”.

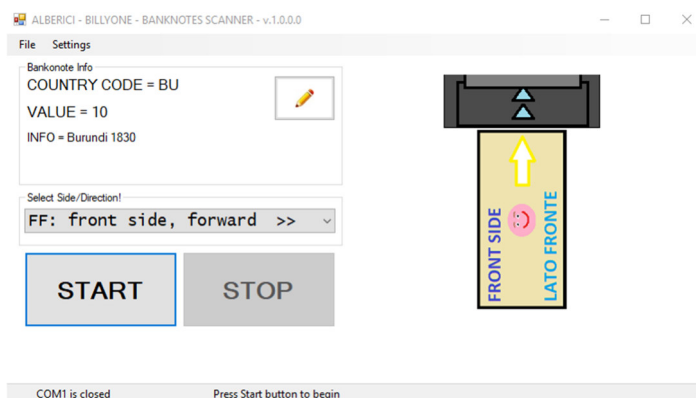
Launch the application. The following dialogue window will be displayed:



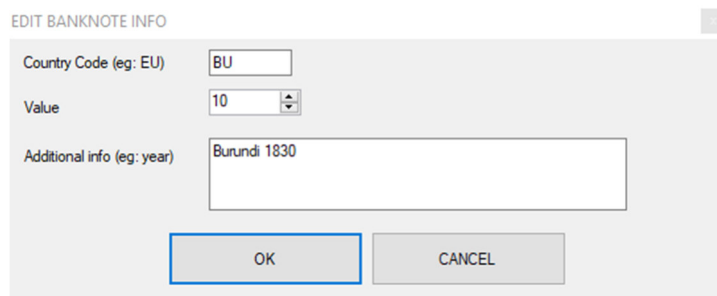
A1. Write into the Country Code box the international symbol for the currency that you will be scanning. Write in the Value box the denomination that you will be scanning.

Then press the OK button, and go to point B.

A2. In case the boxes are already containing data, as shown in the figure on the side:



click on the pencil icon so that the EDIT BANKNOTE INFO shall appear, e.g.:

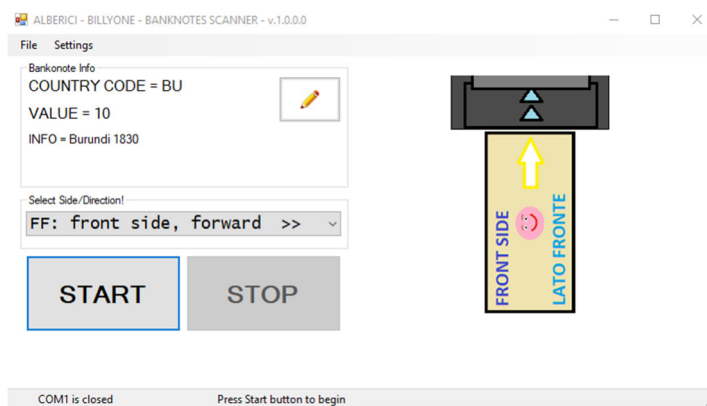


The dialog box titled "EDIT BANKNOTE INFO" contains three input fields: "Country Code (eg: EU)" with the value "BU", "Value" with the value "10", and "Additional info (eg: year)" with the value "Burundi 1830". At the bottom are "OK" and "CANCEL" buttons.

and change the data in the boxes with the information about the denomination that you want to scan. Then press the OK button, and go to section **B**.

B. Scan the banknote denominations

B1. The home screen will be displayed:



Select "FF: front side, forward orientation" to start with.

B2. Press the START button, and wait while the front leds keep on flashing green and then stop as still blue.

B3. Slip the first banknote in according to the orientation shown in the picture appearing on the screen. It will be read and rejected.

B4. When the leds lit up again blue, slip the second one in.

Carry on until at least 10 notes have been sampled. The more banknotes, and the more different between each other in terms of wear-out and minting years, the better.

When finished, press the STOP button.

B5. Select now "FB: front side, backward", and repeat the same process.

B6. Select then "BF: back side, frontward", and repeat the same process.

B7. Finally, select "BB: back side, backward", and repeat the same process.

This terminates the acquisition of the identifying data for the first denomination.

B8. Prepare the banknotes of the second denomination that you want to scan, and perform again the steps from Point A1 to B7.

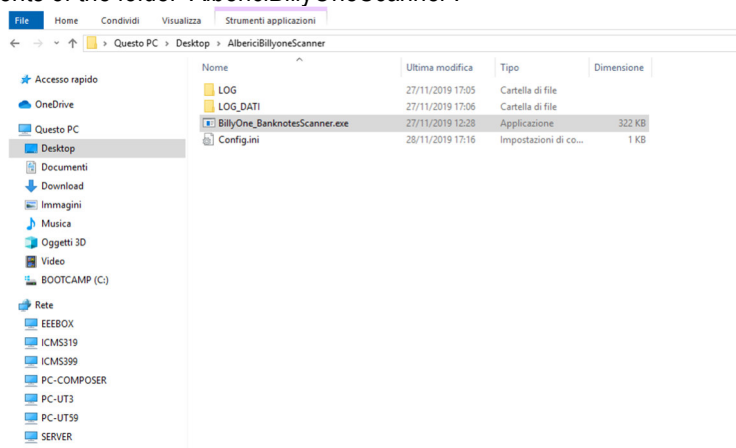
B9. Prepare the banknotes of the third denomination that you want to scan, and perform again the steps from Point A1 to B7.

B10. Repeat the above steps until all the denominations have been scanned, and shut down the application.

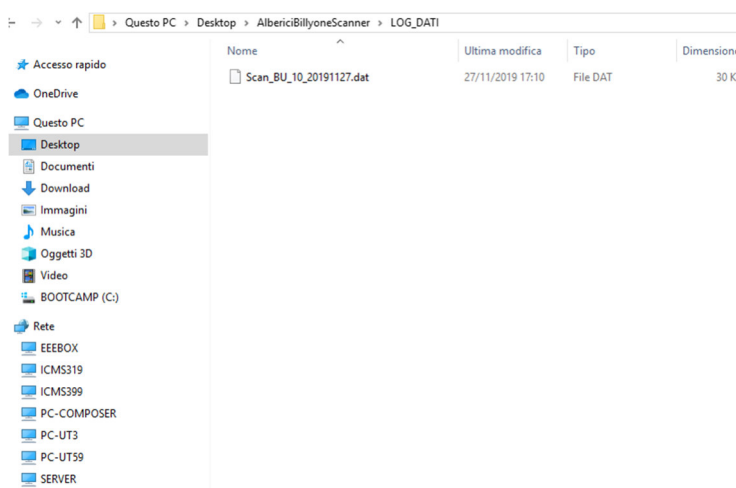
B11. Go to section **C**.

C. Send us the files created

C1. Check the contents of the folder 'AlbericiBillyOneScanner':



C2. In the sub-folder 'Log Dati', you will find one file for each one of the scanned denominations (ex. "Scan BU 10 20191127.dat2"). All of these files are encrypted. Select the file(s).



C3. Send us all the "xxx.dat2" files available in the sub-folder. We will work them out to update the currency firmware file for your note validators. Then we will send you the firmware file, that can be loaded to the note validator by using the "Agg_Update_BillyOry_vx_x_x_x" updating software (as of 18.01.2022, the latest version is "Agg_Update_BillyOry_v2_7_0_1").



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