

BlueRed

**EN**

English



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# 1 GENERAL FEATURES

Through the app, which can be downloaded for free from the Play Store, BlueRed can interface with **ZiP** and **MiZiP** payment systems as well as vending machines produced by **NECTA** or other manufacturers, via a Bluetooth or IrDA connection

BlueRed is available in two versions: "Fixed" and "Portable".



FIXED



PORTABLE

<p><b>1</b></p> <p>Number of vending machines/ systems that can be connected</p>	<p><b>ZiP / MiZiP</b></p> <p>Download, data display &amp; configuration and programming features</p> <p><b>NECTA</b></p> <p>Download, data display</p>
<p></p> <p>Infrared communication</p>	<p></p> <p>Bluetooth communication</p>

<p><b>&gt;1</b></p> <p>Number of vending machines/ systems that can be connected</p>	<p><b>ZiP / MiZiP</b></p> <p>Download, data display &amp; configuration and programming features</p> <p><b>NECTA</b></p> <p>Download, data display</p>
<p></p> <p>Infrared communication</p>	<p></p> <p>Bluetooth communication</p>

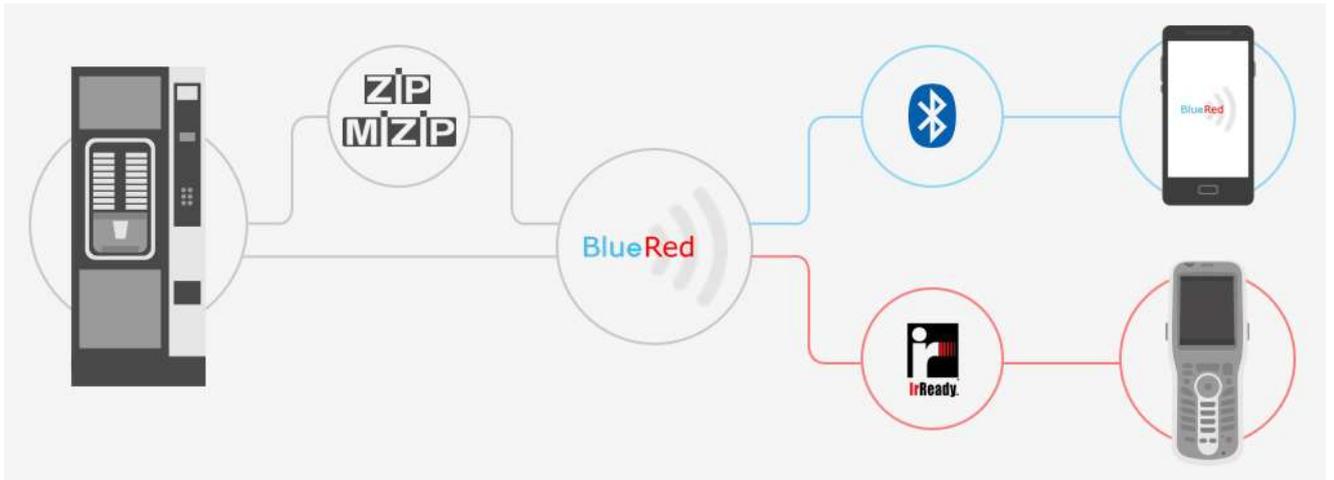


Allows statistical data to also be collected from other vending machines or payment systems

## Important

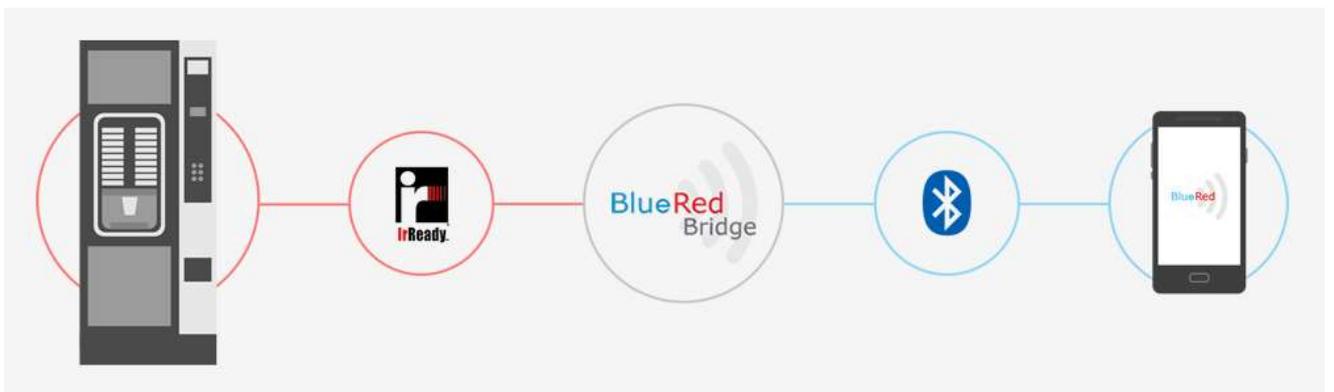
If the **FIXED** version of the BlueRed Kit is repeatedly turned on and off, it will enter an "out of service" mode (the LEDs will begin to flash red, green and blue in sequence) and it will not be possible to do anything for a certain period of time.

## 1.1 FIXED AND PORTABLE



## 1.2 PORTABLE VERSION IN BRIDGE MODE

The Kit implements the IRDA-Bluetooth bridge mode to collect statistics from non-N&W systems <sup>(\*)</sup> in the Portable version only.



<sup>(\*)</sup> Please contact N&W for the full list of compatible products.

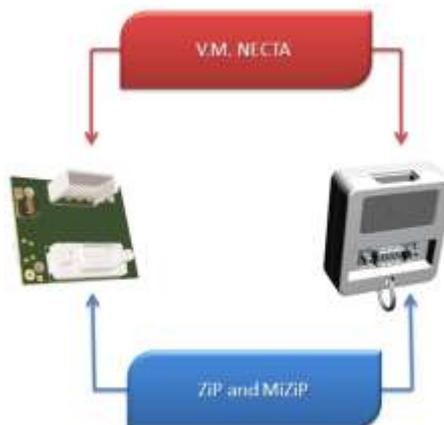
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## 2 CONNECTIONS

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### Important

Before connecting the BlueRed Kit, make sure that the vending machine or payment system has been switched off.



### 3 DOWNLOADING THE APP FROM THE PLAY STORE



Only available for Android systems.

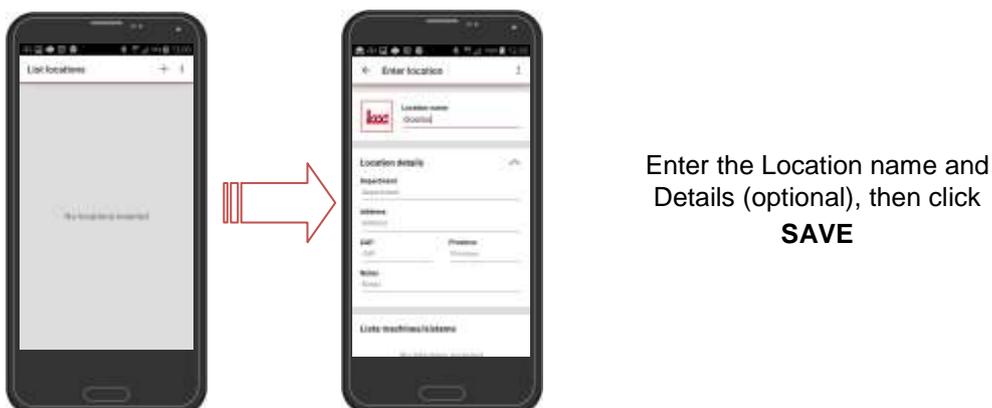
### 4 PAIRING A BLUERED KIT

The BlueRed Kit and smartphone interface via the Classic Bluetooth channel.

1. Connect the BlueRed Kit as described in paragraph 2;
2. Enable Bluetooth communication;
3. When the BlueRed Manager app starts up, select the Administrator role from the PROFILE menu and enter the default password: "1111111". Select "SAVE" after the *Operator Name* and *Terminal Number* have been entered;



4. Create a Location by clicking on the "+" button



5. Assign the BlueRed Kit



*\*If the Kit to be paired cannot be found in the list, click "Search".*

6. Press and hold the small BlueRed Kit button until the blue LED starts to flash;
7. Select the BlueRed Kit from the **"List of machines/ systems"** and confirm the pairing message displayed on the smartphone;
8. Once the pairing has been completed successfully, the menu can be accessed: Vending Machine, MiZiP and BlueRed Manager;

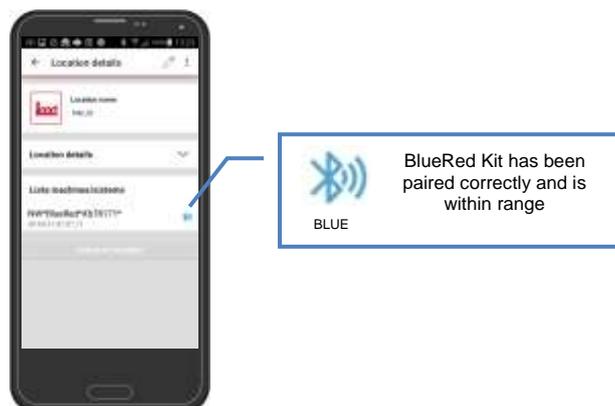


9. The BlueRed Kit LED will change from a flashing blue to a solid blue.

**Important**

If a problem occurs during the Kit pairing stage, try unselecting **"Bluetooth Connection"** in the **PROFILE** menu, then pair the Kit in the **Bluetooth** menu of the Android operating system and repeat from step 6 onwards.

10. The location data will still be able to be edited by selecting the pen icon 



Things to remember:

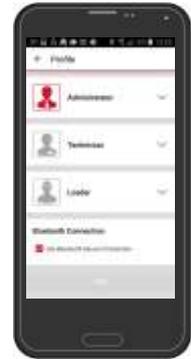
- Multiple BlueRed Kits can be connected in the same location;
- Once the smartphone and BlueRed Kit have been paired successfully, the pairing process will not need to be repeated again;
- If necessary, the smartphone and BlueRed Kit can always be unpaired in the Bluetooth menu of the operating system;
- Multiple smartphones can be paired with the same BlueRed Kit;
- This pairing procedure works with devices with BR100 firmware versions and onwards;
- The maximum number of paired Kits depends on the smartphone's features.

## 5 BLUERED MANAGER

### 5.1 PROFILE MENU

In order to access the app's functions, the password communicated by the administrator needs to be entered, depending on the role (Technician or Loader). Passwords can only be configured by the Administrator in the "BlueRed Manager" menu (see paragraph 5.3.2) and they are unique.

Enter the *Operator Name* (10 alphanumeric characters) and *Terminal Number* (between 000 and 999); this data will be used when collecting data and will be visible in the file header.



### 5.2 FUNCTIONS AVAILABLE FOR EVERY PROFILE

Functions	ADMINISTRATOR	TECHNICIAN	LOADER
BlueRed Manager	✓		
Vending Machine Audit	✓	✓	✓
MiZiP Programmer	✓	✓	✓
MiZiP Audit	✓	✓	✓
MiZiP Setup	✓	✓	
MiZiP MaxiBox	✓	✓	
BRIDGE	✓	✓	✓

### 5.3 BLUERED MANAGER

The "BlueRed Manager" menu is only available to the Administrator. The default password is "11111111".

#### 5.3.1 Renaming the BlueRed Kit

When

The name of the paired Kit can be programmed (19 characters).

When

The Kit's name has derived from the Zip/ MiZiP payment system  
E.g. PL00001MIZIP0PLUS00

To rename the BlueRed Kit and find it in the "**List of machines/ systems**," follow the steps described below:

1. Enter a new name or tick "Upload ZiP/ MiZiP codes";
2. Confirm by selecting "SEND";
3. Return to the "LOCATION DETAILS" screen;  
(The BlueRed Kit LED will become a solid green/blue for approximately 6 seconds).
4. Select "Assign BlueRed Kit";
5. Select the renamed Kit from the "SELECT DEVICE" screen;
6. In the "**List of machines/ systems**," the Kit will be displayed with its new name.

### Important

- In the List of machines/ systems, the old name of the Kit will still be visible. To delete it, simply select and hold the name for a few seconds and then confirm the deletion. The data will still be available in the following folder of the smartphone's archive: ARCHIVE > BLUERED > LOCATION > Name of the old Kit.
- Renamed Kits do not need to be paired again.

## 5.3.2 Profile passwords

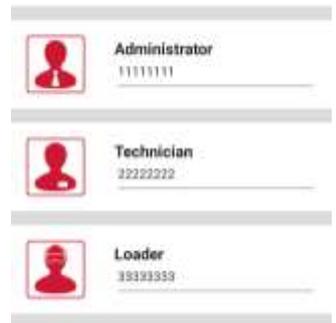
BlueRed Kit access passwords can be set up in order to use the functions made available for the Administrator, Technicians or Loaders.

Example:

Administrator: 12345678 (default value 11111111)

Technician: 77788899 (default value 22222222)

Loader: 11122233 (default value 33333333)



## 5.3.3 Codes

### ZiP/ MiZiP Operator Code

This must match the operator code set in the ZiP/ MiZiP payment system in order to collect MaxiBox transactions or send a setup parameter. When collecting statistical data, this does not need to be set up.

### Security code and Pass code

If enabled, these must match the codes programmed in the payment system or vending machine.

## 5.3.4 Software version

In the "BlueRed Manager" menu, the software version that has been installed on the BlueRed Kit can be checked. To update the Kit's firmware, see chapter 12

### Important

**The MiZiP Suite manages the files collected by the BlueRed Kit from version 4.0.0 onwards.**

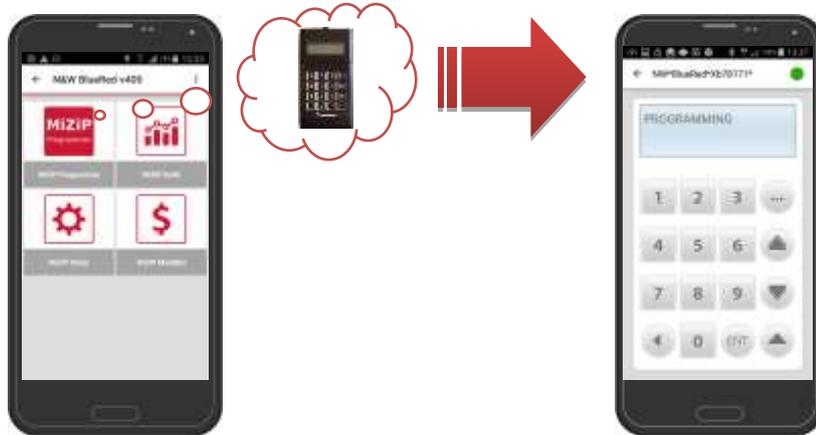
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## 6 FUNCTIONS AVAILABLE FOR ZIP AND MIZIP PAYMENT SYSTEMS

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### 6.1 MIZIP PROGRAMMER

Select the MiZIP Programmer function to enter the programming menus for all ZiP and MiZIP systems.



The MiZIP Programmer simulates a 16-key keyboard and an LCD display. The various menus are navigated using the keys listed below.

-  **BACK/ CANCEL,**  
Returns to the menu and/ or cancels a parameter.
-  **ENTER/ CONFIRM,**  
Enters the menu and/ or confirms a parameter.
-  **FORWARD,**  
Scrolls forward through the menu.
-  **Fast BACKWARD,**  
Scrolls quickly backwards when the button is pressed and held.
-  **Fast FORWARD,**  
Scrolls quickly forwards when the button is pressed and held.
-  Spaces and special characters can be inserted. , : # \_ -

#### Important

**Make sure that a key hasn't been inserted into the ZiP and MiZIP reader before selecting the MiZIP Programmer function.**

## 6.2 MIZIP AUDIT

Select the MiZip Audit function to collect statistics in EVA-DTS format from all Zip and MiZip systems.



Before selecting "IMPORT AUDIT," check that the payment systems have been configured correctly, as shown in the following table:

	Zip	MiZip
<b>AUDIT MODE</b>	EVA – DTS A\B\C <sup>(A)</sup>	DDCMP 6.0 \ DDCMP 6.0 Plus <sup>(1)</sup>
<b>SELECT FLAG</b>	ON	ON
<b>BAUD RATE MAX</b>	9600	38400
<b>PASS/SECURITY CODES</b>	ON/OFF <sup>(2)</sup>	ON/OFF <sup>(2)</sup>
<b>SECURITY CODE</b>	#### <sup>(2)</sup>	#### <sup>(2)</sup>
<b>PASS CODE</b>	#### <sup>(2)</sup>	#### <sup>(2)</sup>
<b>COIN BOX CODE</b>		11111
<b>IRDA</b>		ON/OFF <sup>(3)</sup>
<b>DATA BLOCK SIZE</b>		240
<b>ACK TIME OUT</b>		1000

<sup>(A)</sup> **EVA – DTS A\B\C**: data in standard EVA-DTS 5.0 format

<sup>(1)</sup> **DDCMP 6.0**: data in standard EVA-DTS 6.0 format

**DDCMP 6.0 Plus**: data in standard EVA-DTS 6.0 format + any of the EXTRA menu data

<sup>(2)</sup> When **ON**, the **SECURITY CODE** and **PASS CODE** must match with the codes programmed in the "BlueRed Manager" menu (see paragraph 5.3.3)

<sup>(3)</sup> When **ON**, the IrDA channel is enabled. When the IrDA ports of the BlueRed Kit and a handheld device are aligned, statistics can be collected (see chapter 10).



## 6.2.1 Importing data into the MiZiP Suite via USB

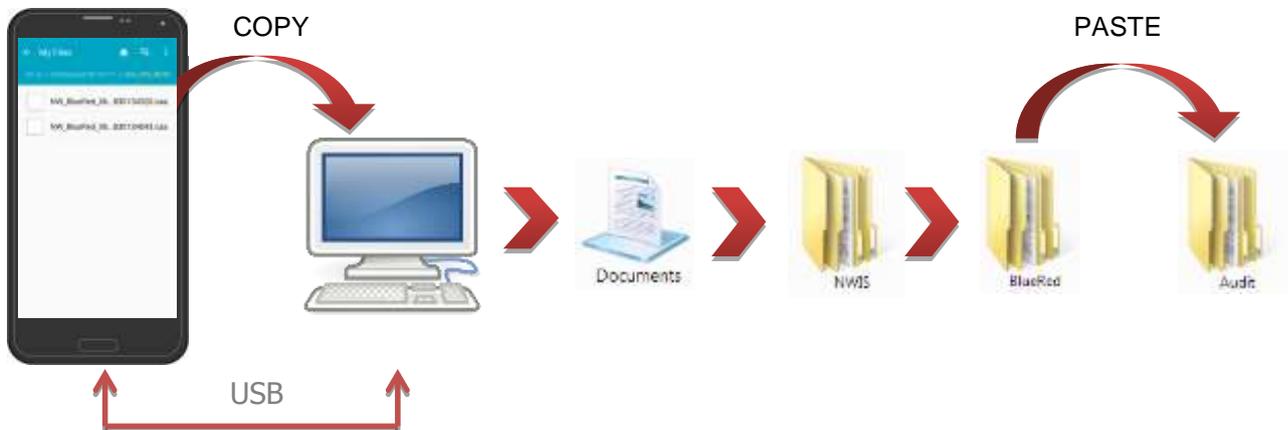
The collected data is saved in the internal archive

To import the files into the MiZiP Suite, proceed as follows:

1. Connect the smartphone to the computer (the login screen will automatically open on the smartphone);
2. Select the following folder on the smartphone: ARCHIVE > BLUERED > LOCATIONS > *Location name* > Name of the assigned Kit > EVA\_DTS\_MiZIP.

*Example:* ARCHIVE > BLUERED > LOCATIONS > PN HIGH SCHOOL > N&W BlueRed X02002a > EVA\_DTS\_MiZIP.

3. Copy the file (multiple files can be copied and imported into the MiZiP Suite);
4. Paste the file into the following location on the computer: C:\Users\.....\Documents\NWS\BlueRed\Audit.



## 6.2.2 Sending data to the MiZiP Suite via Email

Make sure that an Email account has been set up on the smartphone before proceeding as follows:

1. Select the collection to be sent, click SEND and enter the recipient's email;
2. Make sure that the email has been sent successfully;
3. The recipient should Save the received file in the following location on the computer: C:\Users\.....\Documents\NWS\BlueRed\Audit.

Incremental Data	
Sales	6.10
Cash sales	4.75
Cashless sales	1.25
Total Charged	23.05
Charged for Key recharge	15.90
Charged for sales	7.15
Change giver total output	0.75
Change giver total input	8.00
Change giver total returned	0.50

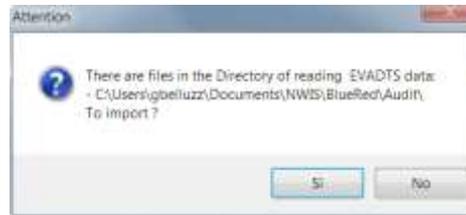


## 6.2.3 Viewing statistics through MiZIP Suite

### Important

- For the general operation of the Statistics module, please consult the "MiZIP Suite Single Database" owner's manual

When the "caa" file has been saved in the following location: **C:\Users\....\Documents\NWIS\BlueRed\Audit**, the next time that the MiZIP Suite's Statistics module starts up, the following warning message will appear:



Every "caa" file whose importation has been confirmed, will be processed and saved as two files with the extensions "box" and "aed." The following message will also appear:



A print preview of the collected statistics will then be displayed:

**Printed Report** File: N\_W\_BluRed\_Gian\_13\_20160902085954\_0001.aed Audit N.1 Date: 07/06/2016 13:35:10  
 Audit Number: 30 Current Audit: 02/28/16 08:59 Previous Audit: 26/07/16 11:52  
 Handheld: 089 User: Leonardi Audit Type: DDCMPWPlus Purse: 1/1 Unique  
 Customer code: 90001 Customer name: Cliente 90001 Address:  
 Machine Code: M2ZP0 Reader Code: BASICM Firmware: BM19211

1 - Cash	0.00	4 - Key Sales	0.00
To Cashbook	0.00	Sales	0.00
Banknotes	0.00	Failed Sales	0.00
2 - Total Revaluations Cash	0.00	5 - Special Key Sales	0.00
3 - Cash Sales	0.00	Four-Sales	0.00
Sales	0.00	Discounts	0.00
Failed Sales	0.00	6 - Net Key Sales	0.00
Cheques	0.00	7 - Total Sales Cash + Key	0.00
8 - Total Revaluations	0.00	11 - Historical Data	0.00
Cash	0.00	Cash	0.00
Programmer or Charge Key	0.00	Cash Sales	0.00
Bank	0.00	Key Sales	0.00
9 - Net Key Sales	0.00	Total n. Selections Cash	0
Initial Deposit	0.00	Total n. Selections Key	0
10 - Current Key Balance	0.00	Total n. Selections Cash + Key	0
12 - Sales, Price Line 1-10			

Price Line	Cash		Key Sales		Discount level 0		Discount level 1		Discount level 2		Discount level 3	
	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
Price Line 1	0	0.20	0	0.30	0	0.30	0	0.30	0	0.20	0	0.20
Price Line 2	0	0.25	0	0.25	0	0.25	0	0.25	0	0.25	0	0.25
Price Line 3	0	0.30	0	0.30	0	0.30	0	0.30	0	0.30	0	0.30
Price Line 4	0	0.35	0	0.35	0	0.35	0	0.35	0	0.35	0	0.35
Price Line 5	0	0.40	0	0.40	0	0.40	0	0.40	0	0.40	0	0.40
Price Line 6	0	0.45	0	0.45	0	0.45	0	0.45	0	0.45	0	0.45
Price Line 7	0	0.50	0	0.50	0	0.50	0	0.50	0	0.50	0	0.50
Price Line 8	0	0.55	0	0.55	0	0.55	0	0.55	0	0.55	0	0.55
Price Line 9	0	0.60	0	0.60	0	0.60	0	0.60	0	0.60	0	0.60
Price Line 10	0	0.65	0	0.65	0	0.65	0	0.65	0	0.65	0	0.65

13 - Sales, Price Line 1-10 (Quantity)		14 - Totals, Selections Cash	
Price Line 1	0	Num of Vends, Price Line 1-10	0
Price Line 2	0	Num of Vends, Price Line 11-1000 Sales, Price Line 11-100	0
Price Line 3	0	Num of Vends, Out of Table	0
Price Line 4	0	Total	0
Price Line 5	0	15 - Totals, Selections Key	
Price Line 6	0	Num of Vends, Price Line 1-10	0

If multiple ".caa" files are placed in the directory, the Audits will open one at a time. When the first print preview has been closed, the second will then open automatically and so forth. At the end, the following message will be displayed:



**Important**

- **The Audit file collected using BlueRed contains a single EVADTS statistic.**
- **To download the data from a Maxi Key, the BlueRed files must stop importing before the Maxi Key can be inserted into the computer interface.**

The following files are generated for each \*.caa file:

- a default \*.aed file in the following location:  
C:\Users\.....\Documents\NWIS\MiZiPSuite\Eva\BlueRed\ZiP\_MiZiP\KitName;
- a default \*.box file in the following location:  
C:\Users\.....\Documents\NWIS\MiZiPSuite\Data\BlueRed\ZiP\_MiZiP\KitName;
- backup ".caa" files: C:\Users\.....\Documents\NWIS\BlueRed\Audit\Backup\ZiP\_MiZiP\KitName.

**Important**

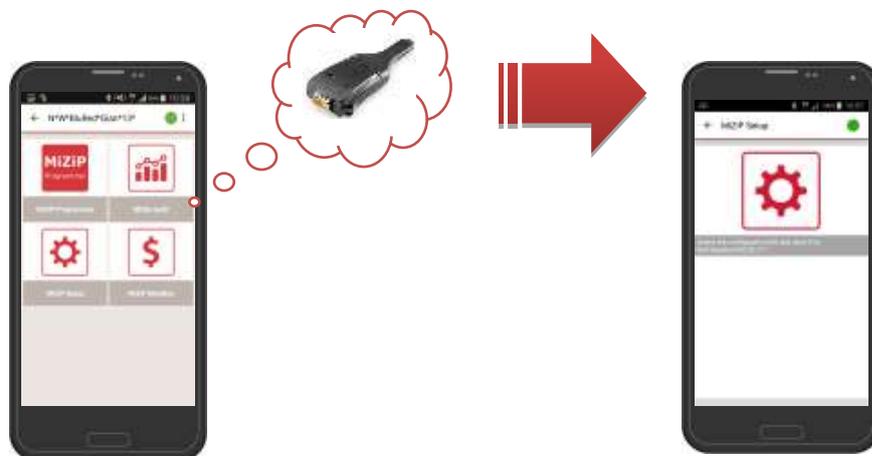
- **A copy of the files from ZiP and MiZiP payment systems are also saved in the following formats, for any types of management software that uses them:**
  - an \*.aed file in the folder: C:\Users\.....\Documents\NWIS\MiZiPSuite\Eva.
  - a \*.box file in the folder: C:\Users\.....\Documents\NWIS\MiZiPSuite\Data
- **If the same file is re-added (in the C:\Users\.....\Documents\NWIS\BlueRed\Audit folder), it will be renamed by adding a sequential number and saved.**
- **If a BlueRed file has been modified, the software will warn of this anomaly with a suitable message and will indicate the location where the file was saved.**

To reset the directory where BlueRed files are saved, consult chapter 9.

**6.3 MIZIP SETUP**

MiZiP Setup can be used to send either the complete or partial parameter configuration to MiZiP systems.

- **Function only available for MiZiP systems.**



Unlike the Maxi Key, the BlueRed Manager app can contain multiple setup files. In this way, multiple MiZiP systems can be configured with just one smartphone.

### 6.3.1 Preparing setup files using MiZiP Suite

In the **C:\Users\.....\Documents\NWISMiZiPSuite\ParameterFiles** directory, Excel file examples that are specific for MiZiP payment systems are available.

The image to the side shows the list of available examples.



It is recommended to create a backup copy of the file before editing the file.

Below is an example of an available Excel spreadsheet:

PARAMETER NUMBER	DESCRIPTION	VALUE	DEFAULT VALUE	RANGE	EXE Master	EXE Slave	MDB
30000	Protocol / PROTOCOL	0	0	0 = executive master, 1 = executive slave, 2 = MDB.	*	*	*
30001	Protocol / VEND TYPE	1	1	0 = single vend, 1 = multi vend.	*	*	*
30002	Protocol / SYSTEM	0	0	0 = prices on vend, 1 = price system, 2 = price holdng, 3 = price hold.duagl, 4 = MDB standard.	*	*	*
30003	Protocol / BASE UNIT	1	0,01	0,01 - 2,00	*	*	*
30004	Protocol / DECIMAL POINT	2	2	0 = position 0, 1 = position 1, 2 = position 2, 3 = position 3.	*	*	*
30006	Protocol / VEND DELAY	0	0	0 = OFF, 1 = ON	*	*	*
30008	Protocol / DISPLAY DELAY	0	0	0 = OFF, 1 = ON	*	*	*
30007	Protocol / COMMUNG DELAY	0	0	0 = OFF, 1 = ON	*	*	*
30010	Protocol / READER TYPE	1	1	0 = type 1, 1 = type 2.	*	*	*
30011	Protocol / MAX RESPON TIME	5	5	0 - 200	*	*	*
30012	Protocol / INTERBYTE TIME	1	1	1 - 10	*	*	*
30013	Protocol / COUNTRY CODE	1826	1826	0 - 9999	*	*	*
30014	Protocol / Customization / OUT OF SEQUENCE	0	0	0 = OFF, 1 = ON	*	*	*
30015	Protocol / Customization / REVALUE NO ACK	0	0	0 = OFF, 1 = ON	*	*	*
30016	Protocol / Customization / CREDIT REFRESH	0	0	0 = OFF, 1 = ON	*	*	*
30017	Protocol / Customization / PICTIOUS CRED	0	0	0 = Disabled, 1 = 45330, 2 = Free Vend, 3 = Test, 4 = Discount 4, 5 = Max price VMC.	*	*	*
30019	Protocol / Customization / FAST RESP. TIME	0	0	0 = OFF, 1 = ON	*	*	*
30020	Protocol / PERIPHERAL	0	0	0 = Cashless1, 1 = Cashless2.	*	*	*

Key:

- **Parameter Number:** the parameter code. For further information, please refer to the MiZiP Plus manual.
- **Description:** the string of the various menus.
- **Value:** the parameter to be set. The reference can be viewed in the *Range* column.
- **Default value:** the default parameter (after a system initialisation).
- **Range:** the reference for the **Value** column.

#### Important

The All worksheet cannot be edited as it summarises the parameters of all the other spreadsheets.

### 6.3.2 How to generate a "cas" setup file

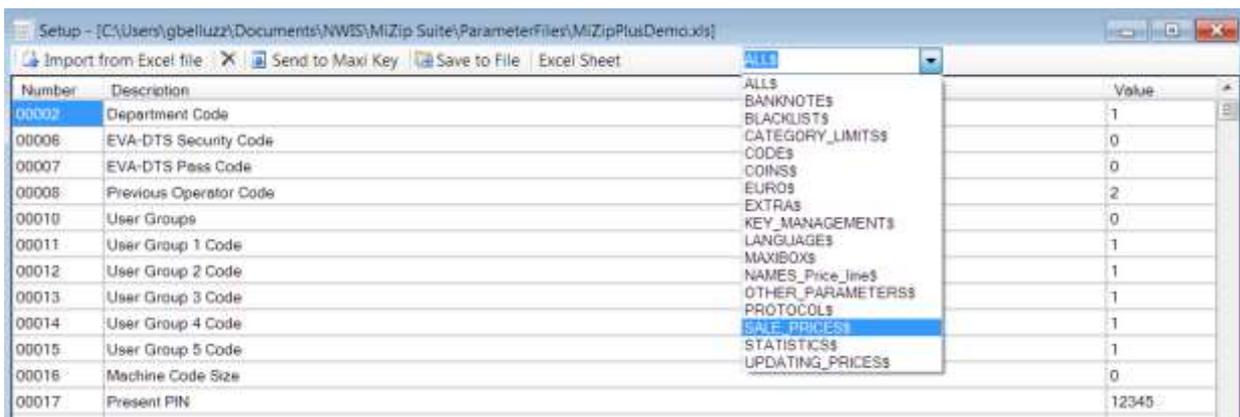
To create a "cas" file that can be uploaded to the smartphone, proceed as follows:

1. After the example Excel spreadsheet has been edited and saved, open the MiZiP Suite Setup module;



2. Click "IMPORT FROM EXCEL FILE";
3. Select the pre-prepared Excel file;

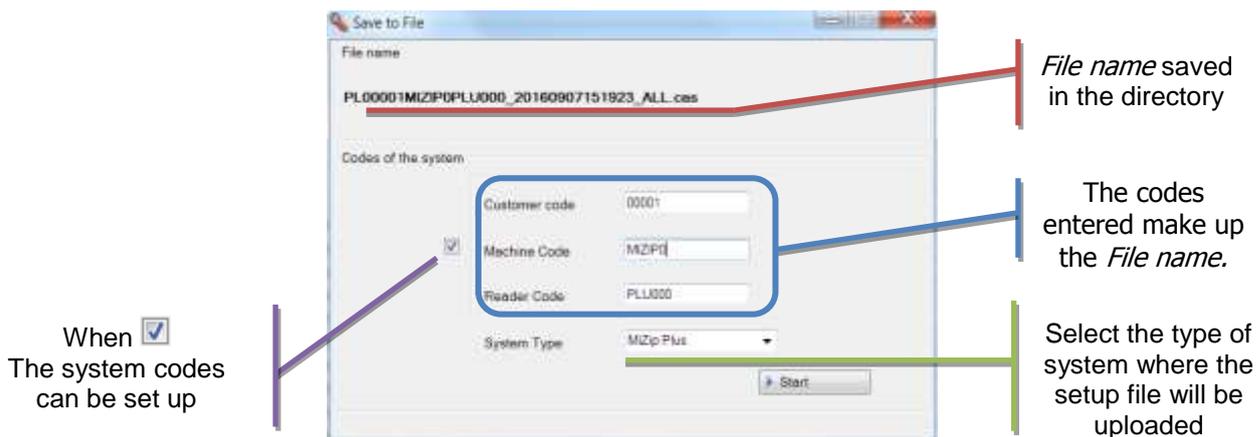
- Once the parameters have been imported from the Excel file, the window will display the individual parameter values;
- The subset of parameters to be uploaded can be selected from the "Excel Sheet" drop-down menu;



- Continue by pressing the "Save to File" button which will now be enabled. The file can be saved in two different ways:

**Method 1 - Setup file with verification of the payment system codes.**

The generated setup file is specific to a MiZip system where the three system codes (client, machine and reader codes) have already been set up.



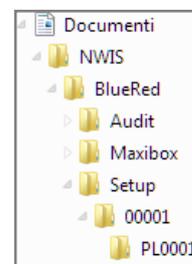
Click START and the file will be saved in the following directory:

**C:\Users\....\Documents\NWIS\BlueRed\Setup\CLIENTCODEMACHINECODE**

The names of the CLIENT CODE and MACHINE CODE subfolders are created automatically according to the values set in the "System codes."

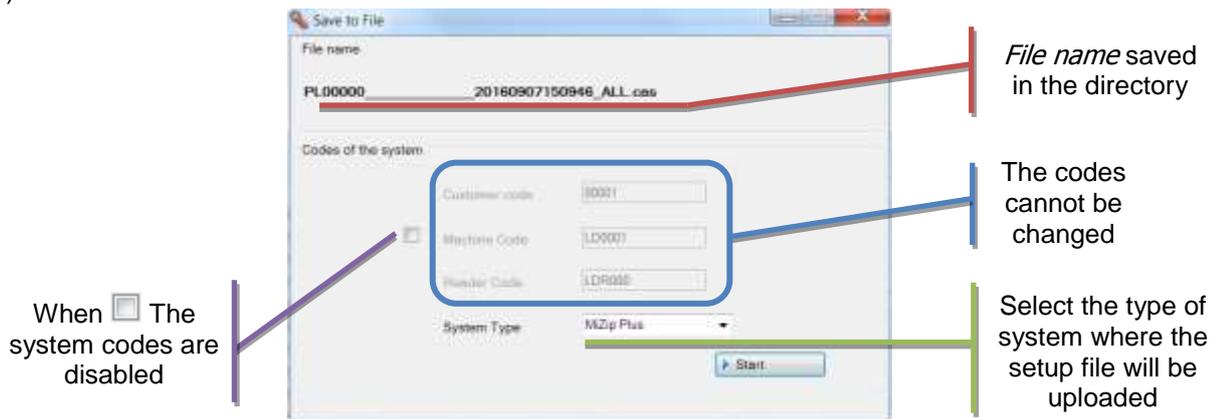
**Important**

- Make sure that the "System codes" match the codes set in the MiZip system where the setup will be uploaded.
- Make sure that the "System type" matches the MiZip system where the setup will be uploaded.



## Method 2 - Setup file without verification of the payment system codes.

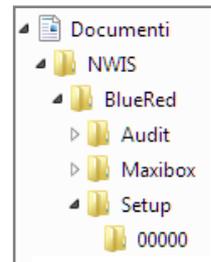
The generated set up file can be used in multiple MiZiP systems of the same type (Basic EXE, Basic MDB, Plusecc.)



Click START and the file will be saved in the following directory:

**C:\Users\.....\Documents\NWIS\BlueRed\Setup\00000**

The respective 6 characters of the machine and reader codes are replaced by an equal number of characters, '\_'.  
The name of the subfolder, "00000," is created automatically.

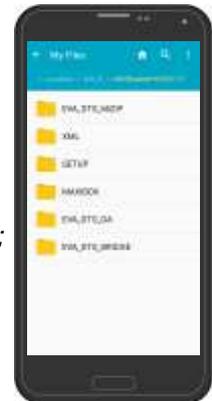


### Important

- Make sure that the "System type" matches the MiZiP system where the setup will be uploaded.

## 6.3.3 Saving the setup file to the smartphone

- Copy the file that has been previously generated through the MiZiP Suite
- Connect the smartphone to the computer;
- Enter the following folder:  
*ARCHIVE > BLUERED > LOCATIONS > Location name > Name of assigned Kit > SETUP;*  
*E.g. BLUERED > LOCATIONS > PN HIGH SCHOOL > N&W BlueRed X02002a > SETUP;*
- Paste the file inside the SETUP folder.



## 6.3.4 Sending the setup file to MiZiP systems

- Open the BlueRed Manager app;
- Select the Kit paired with the payment system that is to be configured;  
**Please note:** Check that the Setup File (see the previous paragraph) has been pasted into the corresponding selected BlueRed folder;

3. Enter the MiZIP Setup function and check that the file to be sent to the MiZIP system is there;



The collected file has a "cas" extension

The file name matches the one copied to the smartphone's directory:  
*ARCHIVE > BLUERED > LOCATIONS > Location name > Name of assigned Kit > SETUP*

4. Select the file and wait until the operation is completed successfully. The time taken to send is linked to the size of the setup file being sent.

5. If the "Communication error" message appears, check the following:

- ✓ The example **Excel** spreadsheet used to generate the setup file must be compatible with the type of MiZIP system where the setup will be uploaded;
- ✓ The **Client, Machine and Reader** codes, if set up in order to generate the setup file, must match those set up in the MiZIP system where the setup will be uploaded;
- ✓ The "**System Type**" (e.g. PL, BM, LP), set up in order to generate the setup file, must match the MiZIP payment system where the setup will be uploaded;
- ✓ The **Operator Code**, set up in the MiZIP system, must match the one set in the "BlueRed Manager" menu of the app (see paragraph 5.3.3).

## 6.4 MIZIP MAXIBOX

Select the MiZIP MaxiBox function in order to collect ZiP and MiZIP system transactions.



Systems which support the MaxiBox generation are as follows:

<b>ZiP</b>
ZiP + Ram + MaxiBox Module
ZiP Loader + Ram + MaxiBox Module
ZiP Loader Plus
<b>MiZIP</b>
Plus
Loader
Loader Plus
Portable Revaluation Unit

To start the collection, select "COLLECT TRANSACTIONS". If the collection is successful, the list of files containing MaxiBox data will be updated



- The collected file has a "cam" extension
- The files can also be sent via email in Offline mode
- The file name is derived from adding the date and time of collection to the name of the Kit

**Important**

If the MaxiBox collection was not saved correctly, the next time the app turns on, a message will appear prompting the MaxiBox collection to be run again.

If the "Communication error" message appears, check that:

- ✓ The **Operator Code** set in the ZiP/ MiZiP system matches the one programmed in the app (see paragraph 5.3.3).

The collected data can be sent to and viewed in the MiZiP Suite via email or by connecting the smartphone directly to the computer via USB.

The method is the same as the one described in paragraphs 6.2.1, 6.2.2 and 6.2.3 with the only difference being the name of the folders which are:

1. On the mobile device: ARCHIVE > BLUERED > LOCATIONS > *Location name* > Name of assigned Kit > MAXIBOX;
2. On the computer: C:\Users\.....\Documents\NWIS\BlueRed\Maxibox

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## 7 COLLECTING STATISTICS FROM NECTA VENDING MACHINES

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### 7.1 VENDING MACHINE AUDIT

Select the Vending Machine Audit function in order to collect statistics from NECTA vending machines in EVA-DTS format.



Before selecting "IMPORT AUDIT," check that the vending machine has been configured correctly, as shown in the following table:



The collected data can be sent to and viewed in the MiZiP Suite via email or by connecting the smartphone directly to the computer via USB.

The method is the same as the one described in paragraphs 6.2.1, 6.2.2 and 6.2.3 with the only difference being the name of the folders which are:

1. On the mobile device: ARCHIVE > BLUERED > LOCATIONS > Location name > Name of assigned Kit > EVA\_DTS\_DA;
2. On the computer: C:\Users\.....\Documents\NWIS\BlueRed\Audit

### Important

- **The preview of the collected statistics only shows some of the data available in the EVA-DTS 6.0 file. When opening the statistics file in EVA-DTS 5.0 format, the preview will not be available and the file will be moved to the following location: C:\Users\.....\Documents\NWIS\BlueRed\Audit\ UNMANAGED.**

The following files are generated for each \*.daa file created by MiZiP Suite on the computer:

- A file with an \*.aed extension in the EVADTS data storage folder, which is normally used by MiZiP Suite (default C:\Users\.....\Documents\NWIS\MiZiPSuite\Eva\BlueRed\VendingMachine\KitName). For more information please consult the "MiZiP Suite Single Database" manual;
- A file with a \*.box extension in the statistical data storage folder, in the proprietary format normally used by MiZiP Suite (default C:\Users\.....\Documents\NWIS\MiZiPSuite\Eva\BlueRed\VendingMachine\KitName). For more information please consult the "MiZiP Suite Single Database" manual.

### Important

- **A copy of the \*.aed file from Necta vending machines is also saved in the storage folder normally used by the MiZiP Suite (default C:\Users\.....\Documents\NWIS\MiZiPSuite\Eva) for any type of management software that uses it.**

Furthermore, the "daa" files downloaded in MiZiP Suite will be backed up. They can be found in the following location:

C:\Users\...\Documents\NWIS\BlueRed\Audit\Backup\VendingMachine\KitName.

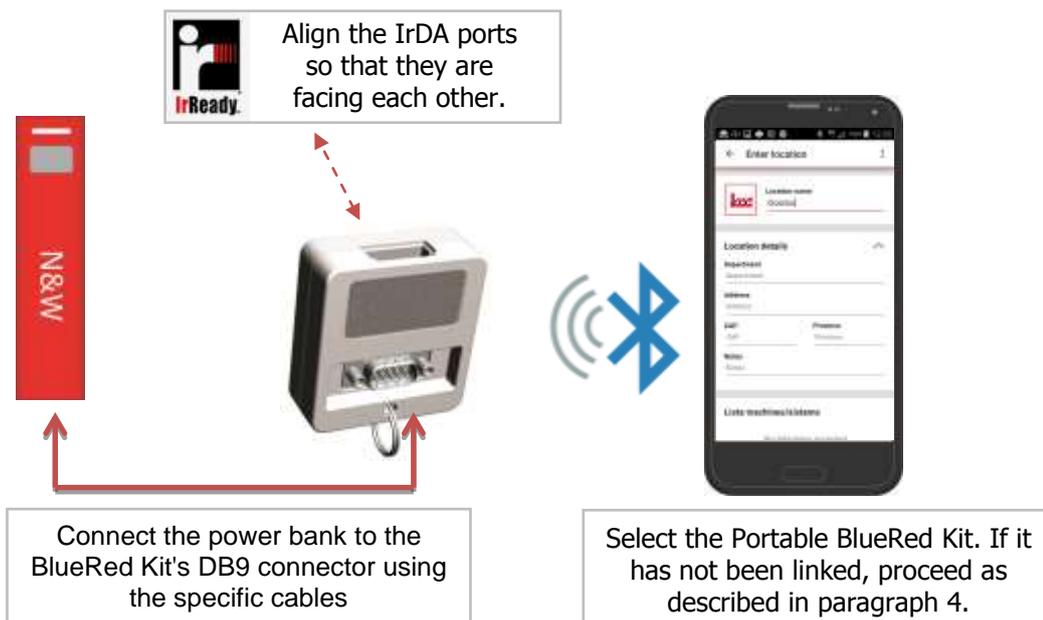
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## 8 BRIDGE

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The Portable BlueRed can be used as a bridge to connect a smartphone with vending machines/ payment systems from other manufacturers that are equipped with an IrDA interface.

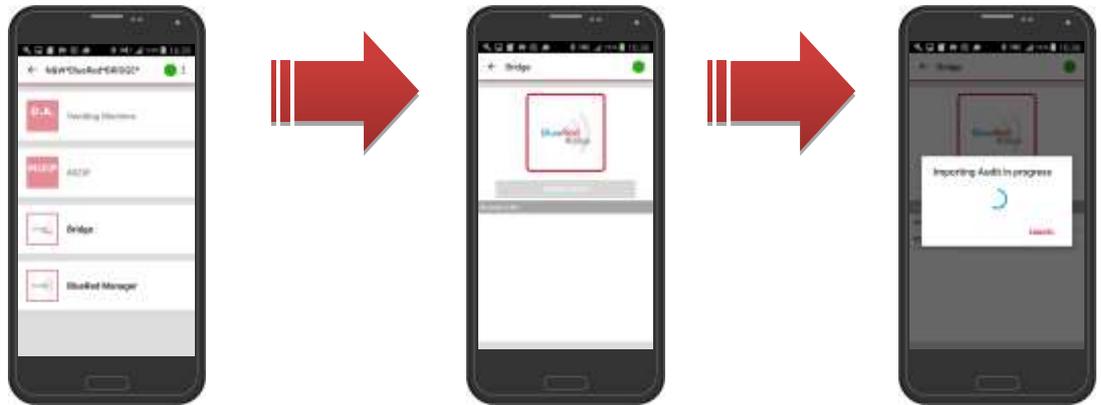
Simply connect the BlueRed to a power bank(\*) using specific cables, enable the IrDA communication channel in the vending machine or payment system of other manufacturers (\*\*) and select the Bridge function in the BlueRed Manager app.



(\*) After approximately one minute of inactivity, the BlueRed Kit reduces its absorption and this may result in the power bank switching off. Furthermore, make sure that the power bank output voltage is 5V.

(\*\*) Please contact N&W for the full list of compatible products.

In *BRIDGE* mode the Vending Machine and ZIP/ MiZIP functions are not available.



Before selecting "IMPORT AUDIT," check that the IrDA communication channel in the vending machine or payment system of other manufacturers is enabled.

When the collection process has finished, the files can be viewed in chronological order



The collected file has a "bra" extension

**Important**

If the Audit collection was not saved correctly, the next time the app turns on, a message will appear prompting the Audit collection to be run again.

The collected data can be sent to the MiZIP Suite or other types of management software via email or by connecting the smartphone directly to the computer via USB



MiZIP Audit

N.W. BlueRed (Stat\_13\_2016)  
0531102738.com

Incremental Data

Sales	6.10
Cash sales	4.75
Cashless sales	1.35
Total Charged	23.05
Charged for key recharge	15.50
Charged for sales	7.15
Change/giver total output	0.75
Change-giver total input	8.00
Change-giver total returned	0.50

Show File Statistics

```

+999JMax+****JBM+6LpRhdH8R000*2E16662R
[4034000000001] | 3000...
+H45P9052151001*6A7V1/671
BT*0E1*0001
CA1*1480Y.00492*0P7000E8E0*120F14635
CA2*6257*1244257*172
CA3*6210*12025*31380*0*66210*12025*31380*
0*0*0
CA4*03760*19075*2376*15075
CA5*2100*2100
CA10*0*0
CA11*04402*0402*460*5437
CA11*10*030*1*056*030*1*033
CA11*10*030*1*1384*030*1*1384
CA11*10*030*1*132*030*1*132
CA11*10*030*1*130*030*1*130
CA11*000*030*1*130*030*1*130
CA15*0
CA17*0*0*0*0*0*0
CA17*1*0*0*0*0*0
CA17*2*0*0*0*0*0
CA17*3*0*0*0*0*0
CA17*4*0*0*0*0*0
CA17*5*0*0*0*0*0
CA17*6*0*0*0*0*0
CA17*7*0*0*0*0*0
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CA17*37*0*0*0*0*0
CA17*38*0*0*0*0*0
CA17*39*0*0*0*0*0
CA17*40*0*0*0*0*0
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CA17*42*0*0*0*0*0
CA17*43*0*0*0*0*0
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CA17*47*0*0*0*0*0
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CA17*608
```

## Important

If the data is collected from non-N&W systems, the print preview data may not be reliable. It is recommended to refer to the EVA-DTS file instead.



The collected data can be sent to and viewed in the MiZIP Suite via email or by connecting the smartphone directly to the computer via USB.

The method is the same as the one described in paragraphs 6.2.1, 6.2.2 and 6.2.3 with the only difference being the name of the folders which are:

1. On the mobile device: ARCHIVE > BLUERED > LOCATIONS > *Location name* > Name of assigned Kit > EVA\_DTS\_BRIDGE.
2. On the computer: On the computer: **C:\Users\....\Documents\NWIS\BlueRed\Audit**

The following files are generated for each \*.bra file created by the MiZIP Suite on the computer:

- A file with an \*.aed extension in the EVADTS data storage folder, which is normally used by MiZIP Suite (default C:\Users\....\Documents\NWIS\MiZIPSuite\Eva\BlueRed\Bridge\KitName). For more information please consult the "MiZIP Suite Single Database" manual;
- A file with a \*.box extension in the statistical data storage folder, in the proprietary format normally used by MiZIP Suite (default C:\Users\....\Documents\NWIS\MiZIPSuite\Eva\BlueRed\Bridge\KitName). For more information please consult the "MiZIP Suite Single Database" manual.

## Important

- **A copy of the \*.aed file from other vending machine manufacturers or payment systems is also saved in the storage folder normally used by MiZIP Suite (default C:\Users\....\Documents\NWIS\MiZIPSuite\Eva) for any type of management software that uses it.**

Furthermore, the "bra" files downloaded in MiZIP Suite will be backed up. They can be found in the following location:

C:\Users\....\Documents\NWIS\BlueRed\Audit\Backup\BRIDGE\KitName

To change the directory where BlueRed files are saved, consult chapter 9.

---

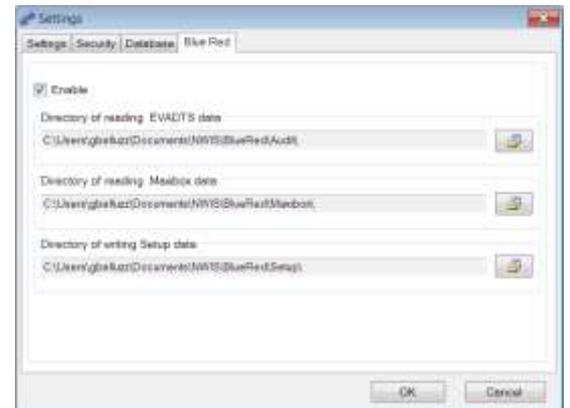
## 9 MIZIP SUITE: DIRECTORY SETTINGS FOR OPENING BLUERED FILES

---

Version 4.0 onwards of the MiZip Suite software can operate with the data collected using the BlueRed Manager app, together with the BlueRed Kit.

The folders used to manage the files can be customised as follows:

- Press this button  ;
- The window shown on the right will open. In this window, the functions for managing files created by the BlueRed Manager app can be enabled or disabled.
- When  **Enable** the location of the folders can be changed and the software will use these folders to search for new files to be managed;
- When  **Enable** the software does not manage the file created by the BlueRed Manager app.



---

## 10 USING A HANDHELD DEVICE

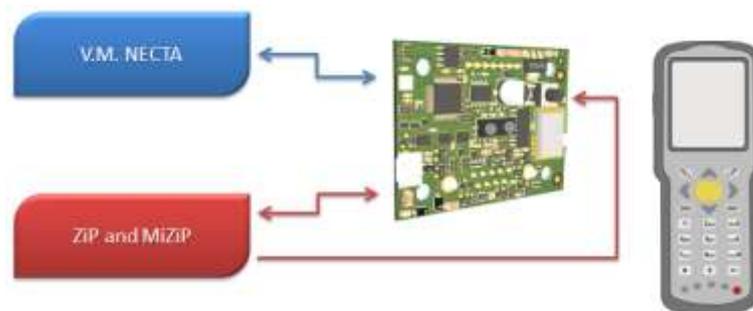
---

The BlueRed Kit can be used to collect statistical data in EVA-DTS format via IrDA.

The way in which the data is collected via IrDA, has not changed since the previous versions of the IrDA Kit.

### Collecting data from Vending Machines:

1. Connect the BlueRed Kit to the vending machine as described in chapter 2;
2. Programme the IrDA parameters in the vending machine as described in chapter 7;
3. Align the IrDA ports of the BlueRed Kit and the handheld device;
4. Start the audit collection application from the handheld device;  
(the BlueRed Kit LED will automatically change from green to a solid red)
5. Wait for the collection to be completed successfully by following the messages displayed on the handheld device's software.



### Collecting data from ZIP/ MiZIP systems

1. Connect the BlueRed Kit to the ZIP/ MiZIP payment system as described in chapter 2;
2. Programme the IrDA parameters in the payment system as described in paragraph 6.2;
3. Align the IrDA ports of the BlueRed Kit and the handheld device;
4. Press and hold the button in the BlueRed Kit for no more than 2 seconds;  
(the BlueRed Kit LED will change from green to a solid red)
5. Start the audit collection application from the handheld device;
6. Wait for the collection to be completed successfully by following the messages displayed on the handheld device's software.

---

## 11 BLUERED LED INDICATORS

---

### 11.1 FIXED AND PORTABLE:

R→G→B sequence x3; then solid BLUE and GREEN  
GREEN  
Alternating GREEN/ RED  
RED  
BLUE  
Intermittent BLUE

Starting up (for 6 seconds)  
Kit in standby  
Enabling the IrDA channel  
IrDA channel enabled  
Bluetooth channel enabled  
Bluetooth pairing (Max. for 2 minutes)

#### Important

If the FIXED version of the BlueRed Kit is repeatedly turned on and off, it will enter an "out of service" mode (the LEDs will begin to flash red, green and blue in sequence) and it will not be possible to do anything for a certain period of time.

### 11.2 PORTABLE VERSION IN BRIDGE MODE:

R→G→B sequence x3; then solid BLUE and GREEN  
Intermittent BLUE  
BLUE

Starting up (for 6 seconds)  
Bluetooth pairing (Max. for 2 minutes)  
Bluetooth channel enabled

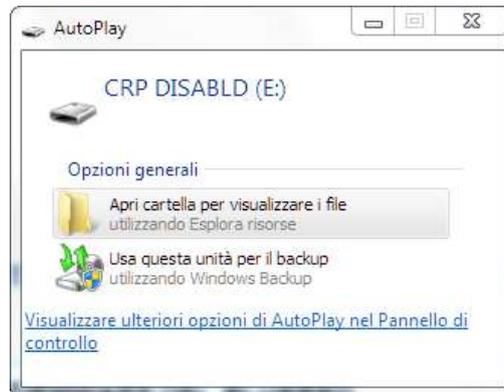
---

## 12 UPDATING THE FIRMWARE

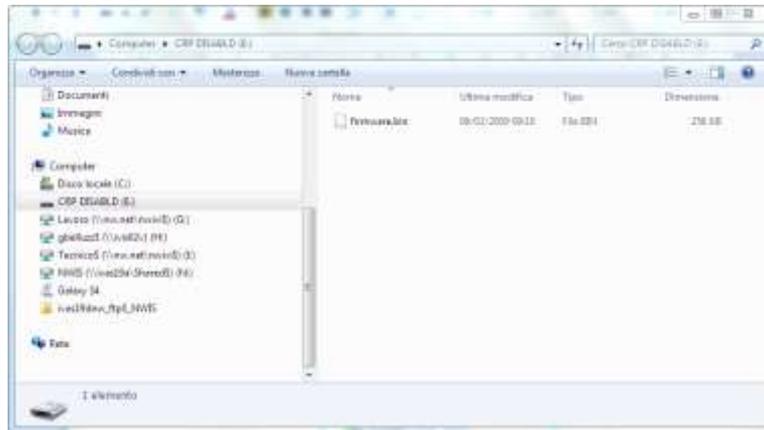
---

To update the BlueRed Kit's firmware, follow this procedure:

1. Connect the BlueRed Kit to the computer via a USB to Micro USB cable, without connecting it to the vending machine or payment system (the Kit's LEDs will remain solid red, green and blue);
2. The computer will automatically install the drivers and if the "Autoplay" function has been set up, the following window will open:



3. If Autoplay has not been set up, wait until the device is ready in "Explorer" as shown in the image below:



4. Open the "CRP DISABLD" folder and delete the "firmware.bin" file found within;
5. Copy the new file inside the same folder;
6. Disconnect the BlueRed Kit from the computer.

#### **Important**

- **The BlueRed Kit does not need to be linked to the smartphone again.**
- **Once the file has been saved, it will be renamed to "firmware.bin".**
- **The firmware version of the BlueRed Manager can be checked in the app's "BlueRed Manager" menu (see paragraph 5.3.4).**









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