B&PLUS

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No. T712802He

H

5/8/10 Bit System
Instruction Manual for Reader/Writer

Type code : Z6-01-U (USB interface)

5bit 8bit 10bit

Left: This is the appearance provided until around April 2021. (Old)
Right: This is the appearance provided after around April 2021. (New)
The appearance is different, but the function is the same.

Safety Considerations

(Please read before use)

Before using Z6-01-U, read this manual carefully and operate properly, paying attention to the safety aspects.

[Planning the System]

- Do not exceed the specifications for supply voltage, conditions of use, etc. as indicated in this manual. This may cause severe overheating

[Handling the System]

- Supply the power only described in the specification.
- Do not dismantle or modify the devices. This could cause malfunction or overheating.
- Dispose the device as the industrial waste.

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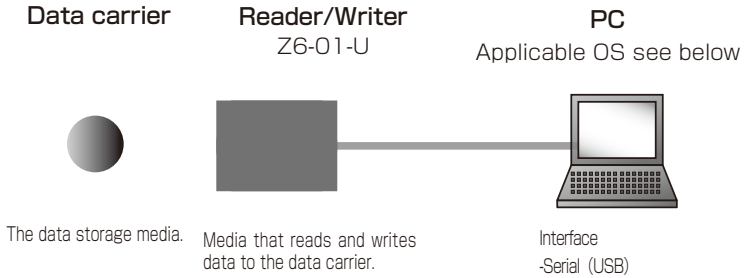
1. Description

1. 1 Description

"B&PLUS ID System / 5,8,10 bit System" is a RFID System by electromagnetic induction method, reading and writing of data.
By Z6-01-U is connected by or USB to the PC, you are using an application (IDRWUSB) , it can be done easily from the personal computer, the editing and data writing and data reading of the data carrier.

1. 2 System configuration



Data carrier	The data storage media.
Reader/Writer	Media that reads and writes data to the data carrier.
Driver	Driver to recognize the Reader/Writer to the PC.
Application	Software for performing data editing.
PC	In the application, edit the data and Instructions data communication. Applicable OS : Windwos 2000 / XP / Vista / 7 / 8 / 10

■ About Driver and Application software

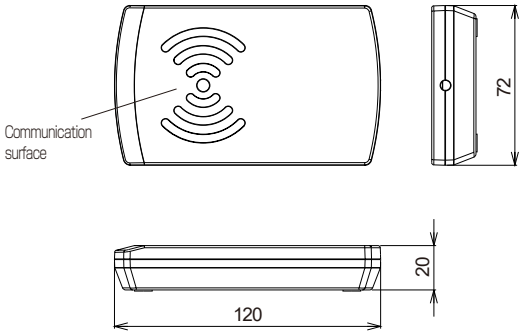
Product documentation and software, it can be download from our web site.
URL : http://www.b-plus-kk.jp/download.html
The ID and password are as below.
ID:user , Password : wirelessbplus

Driver and application depends on the connection method and the ID reader-writer.

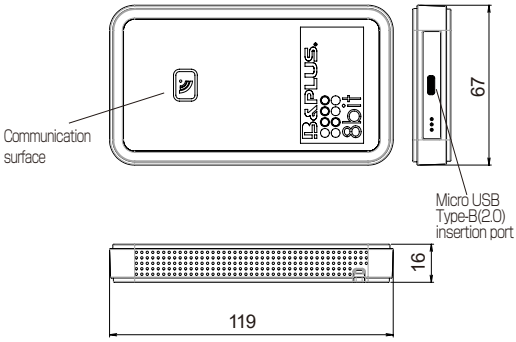
Type code	Connection	Application	Driver
Z6-01-U	USB	IDRWUSB-xxx	Need

Driver that you want to install different by Windows.
Windows2000・・・・・CDM20600.exe
Others・・・CDM20828_Setup.exe

1. 3 Dimension and Specification.



Z6-01-U (OLD)
the appearance provided until around April 2021



Z6-01-U (NEW)
the appearance provided after around April 2021

Type code	Z6-01-U (Old)	Z6-01-U (New)
Applicable Data carrier	Z1 series	
Carrier frequency	13.56MHz	
Interface	USB	
Supply voltage	5.0V Max.190mA (Supply from USB)	5.0V Max.500mA (Supply from USB)
Operating temperature / humidity	0℃～ +50℃ / 20%～ 80% (not to be frozen)	
Storage temperature / humidity	-10℃～ +70℃ / 10%～ 90% (not to be frozen)	
Material	ABS	Body: ABS Cover: Silicon rubber
Weight	90 g	116g (excluding cable)
Included	none	USB cable Type A(2.0)-Micro B(2.0)
Radio standards law (Japan)	This machine has built-in high-frequency utilization equipment which acquired model designation (Ministry of Internal Affairs and Communications designated BC-09004).	

2. Installation of driver or IDRW

2. 1 Attention before installation

· Please start the installation from quit other applications.

· Depending on the version of windows,the different installation methods.

· The driver is intended to be treated as a COM port USB.

2. 2 Installation of driver

① Starting the Installation

You are using Windows2000, please double-click the "CDM20600.exe". Errand, please double-click on the "CDM20828_Setup.exe" version of the other.

② Decompression of files

Click「Extract」

③ Execution of installation

Click「次へ (N)」

④ Finished

Click「完了」

■ For drivers of this product

This product uses USB interface IC by FTDI.
The driver "VCP(Virtual COM port)" is also possible at the following Web sites by FTDI, be asked to download the latest version.
≪ http://www.ftdichip.com/ ≫

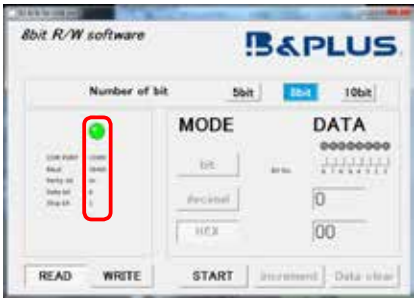
2. 3 Installation of IDRWUSB

After selecting "**DRWUSB**" folder, then transfer by drag and drop to the location of any of the personal computer, it becomes the installation is complete.

3. How to use IDRWUSB

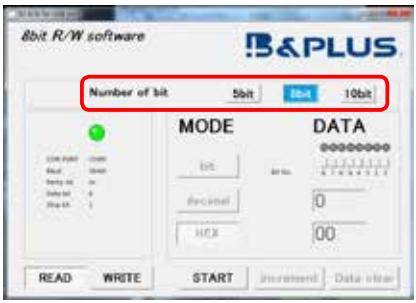
3. 1 For IDRWUSB communication

Connect Z6-01-U to the USB port of your computer,
Run "IDRWUSB_xxx.exe".
When the application starts, the COM port is automatically recognized and configuration information is displayed.



3.2 Select the bit number

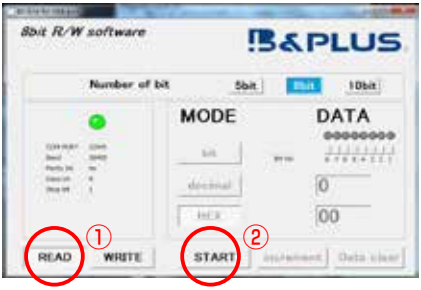
Click to select 5 bit, 8 bit or 10 bit. The screen will be displayed according to the number of selected bits.
In addition, this instruction manual explains the case where 8bit is selected.



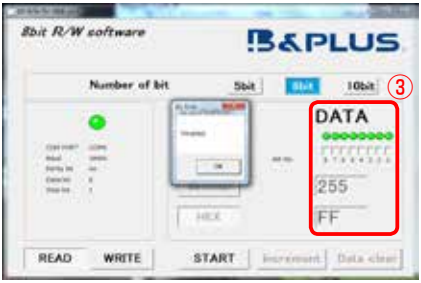
[Caution] If there is metal near the communication surface of this reader/writer, communication may be inhibited. For data carriers that can be attached to metal, please remove them from the metal and place them near the mark on the communication surface. (Metal attachment of data carriers is guaranteed only in combinations specified in the instruction manual of each ID antenna/ID reader.)

3.3 Read data

Click [READ] (①). After that, place the data carrier on the communication surface of the ID reader/writer and click [START] (②).



"Finished" will be displayed, and the data read from the Data carrier will be displayed in the [DATA] field (③).

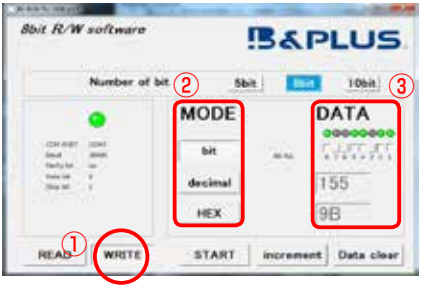


3.4 Write data

Click [WRITE] (①). Select and click the decimal number to be used for writing from [MODE] (②), and enter the data to be written in the corresponding field of [DATA] (③). Bit (binary number), decimal (decimal number), and HEX (hexadecimal number) are linked regardless of what you input.

"Increment": The data entered on the screen will be increased by 1 unit.

"Data clear": The data entered on the screen will be cleared.



After that, place the Data carrier on the communication surface of the ID reader/writer and click [START] (④).
The data is written to the Data carrier and "Finished" is displayed.

Application software change history

Date	File	Contents
2015.04.30	IDRWUSB_V300	It corresponds to 10 bits. Release of USB application.
2015.07.24	IDRWUSB_V320	Cottrdponds to Tag-it HF-I（standard,plus,pro）. "10bit" is added in the operation screen.
2016.04.18	IDRWUSB_V400	Corresponds to 5 bits

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* Contents is subject to change without notice.