

# GBA Transferer USB1.1 Manual

## 1. Function

This product has two main functions:

### 1.1 Clone GBA cart

- To copy the data from a GBA cart / GBA smart cart to another GBA smart cart.

### 1.2 Back up

- Allow downloading data from GBA cart / GBA smart cart to PC, or uploading data from PC to GBA smart cart.

Supports Windows 98/ME/2K/XP

## 2. User Guide

### 2.1 Clone GBA cart

- 2.1.1 Install the battery, turn ON the power switch, Power LED will turn red.  
(or get power from USB, but note that it could not get power from PC USB port)
- 2.1.2 Insert the card you intend to copy from & the card you intend to copy to into the SOURCE & TARGET slots relatively. The SOURCE & TARGET LEDs will turn green and Power LED will turn OFF.
- 2.1.3 Press START and data will transfer from SOURCE cart to TARGET cart. During the transferring process, the three LEDs will keep flashing in a certain pattern. When it finish, the 3 LEDs will stop flashing and turns green. Otherwise, that means error occur during the transferring process.

- Note :
- i ) Do not disconnect / move the cart during the process, or error will occur.
  - ii ) If the SOURCE / TARGET LEDs turn red when you insert the cart, it means the cart is not recognized or bad contact.
  - iii ) Volume of TARGET cart must be greater then or equal to the SOURCE cart.

### 2.2 Back up

- 2.2.1 Switch the power OFF, connect the product to PC with the provided USB cable. Note that user should install the driver for the first time to this product to PC. For details, see “3. Driver installation”.
- 2.2.2 Run gbau.exe which locate at the floppy disk or could be downloaded from the following link:  
<http://www.hkems.com/files/transferer11.zip>

Program Interface:



#### Program Interface description

- 1 ) ROM、SRAM、FLASH are different type of data. User must select one of these first.
- 2 ) There are four buttons in the interface, which allows:
  - i) upload data from SOURCE cart to PC
  - ii) download data from PC to SOURCE cart
  - iii) upload data from TARGET cart to PC
  - iv) download data from PC to TARGET cart
- 3 ) User could press EXIT to quit the program

Note: When selecting files, user could hold Ctrl to select multiple files, but please make sure that the file size matches the cart size. During the read/write process, the red LED in the middle will light, don't connect nor disconnect the cart at this time.

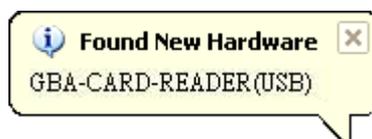
## 3. Driver Installation

### STEP #3.1

Copy all the provided files to PC, and note down the path of the files.

### STEP #3.2

For the first time this product is connected to the PC, you'll notice the “found new hardware” box appear on your screen.



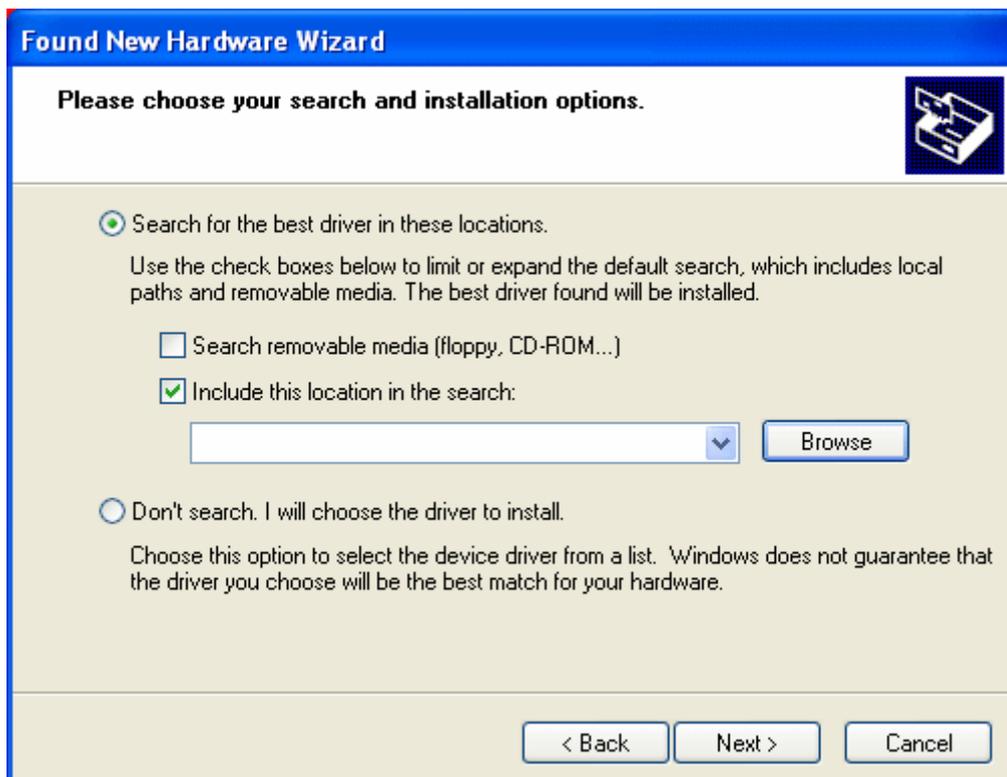
### STEP #3.3

After the “found new hardware” box appears, the “found new hardware wizard” will start. You will be asked “what do you want the wizard to do? ” Select “install from a list or specific location (advanced)”.



### STEP #3.4

Select “search for the best driver in these locations” and click “include this location in the search”. Input the path in STEP #3.1.



### STEP #3.5

After you click the next button you should see a hardware installation window appear saying the drivers may not be compatible with Windows XP. The drivers do work so ignore this box and click “continue anyway”.



### STEP #3.6

Windows XP may install the drivers on its own, but if not a “files needed” window will appear asking to find the file “EM3Link.sys”. Please input the path in STEP #3.1 and click “OK”, windows XP will install the driver successfully. You could find the a USB device called “EMS inter link cable” in the “device manager”. Please remember to reboot the computer after that.

