



Ref: SH0023

Issue: 2

Title – RecoverWi5SD Utility

Made By: SL 23/11/2020 (Issue 2)

## Question – How can I recover the data from a Wi5 SD Card which I suspect has become corrupted?

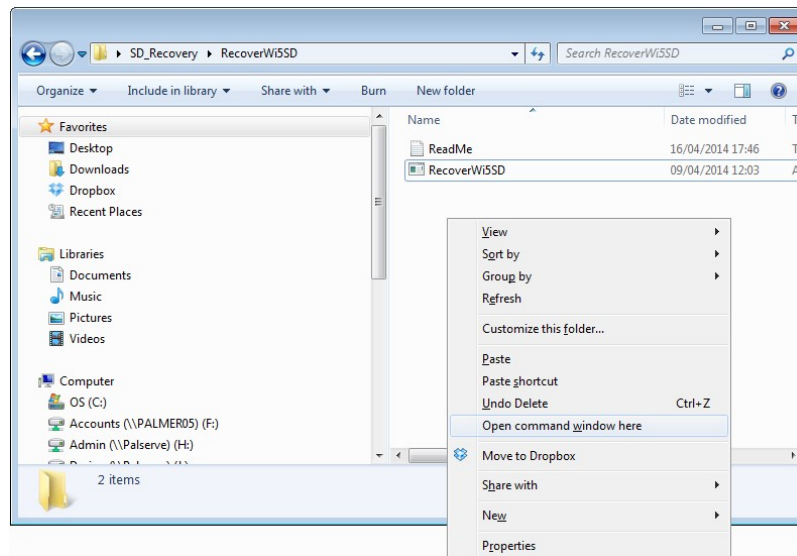
If the MicroSD card is removed from a Wi5 or Wi5D unit without correctly powering down the unit or making the SD card 'safe' by using the button on the PCB, there is a chance that some files on the SD card may be corrupted.

By using the **RecoverWi5SD** utility, it may be possible to recover this lost data. This utility can be downloaded from the HWM-Water website;

<http://www.hwm-water.com/support/>

To use the Utility;

1. Create a new folder on your PC to store the recovered files.
2. Copy the application file **RecoverWi5SD.exe** to the newly created folder.
3. Open a command window in the new folder. (Tip: Hold the SHIFT Key while Right-Clicking in the folder window if you are using WIN7 or WIN8)



4. Insert the SD card in a card reader connected to the PC, or use the PC's internal reader.



Ref: SH0023

Issue: 2

Title – RecoverWi5SD Utility

Made By: SL 23/11/2020 (Issue 2)

5. Operation is slightly different for Wi5 and Wi5D cards

**For Wi5 cards enter this command:**

*RecoverWi5SD X yyyyymmdd YYYYMMDD*

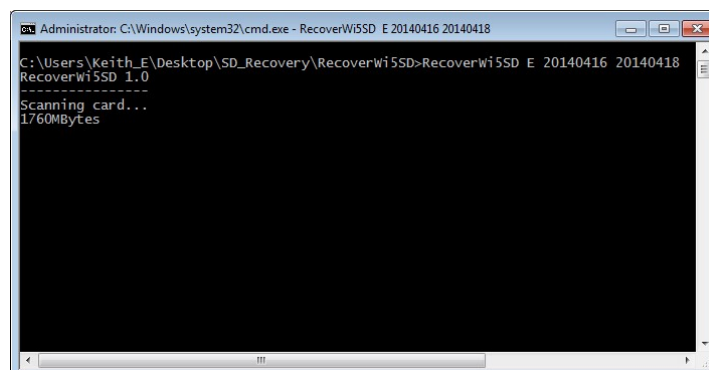
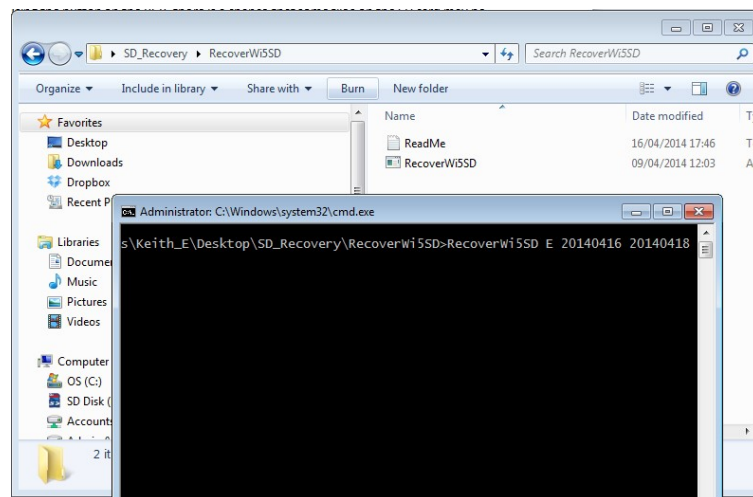
Where: **X** is the drive letter of the SC card. (Use Windows Explorer to check this)  
**yyyyymmdd** is the start date of the data to recover.  
**YYYYMMDD** is the end date of the data to recover.

E.g. **RecoverWi5SD K 20190101 20190331**

will recover all the data found on the K drive between 01-Jan-2019 and 31-Mar-2019.

The application will scan the whole card looking for Wi5 data records.

Found records will be stored as one file for each day, with the filename in the format **yyyyymmdd.txt**. After scanning the card the records within each file will be sorted into time order.





Ref: SH0023

Issue: 2

Title – RecoverWi5SD Utility

Made By: SL 23/11/2020 (Issue 2)

- The process is similar for Wi5D cards

For Wi5D cards enter this command:

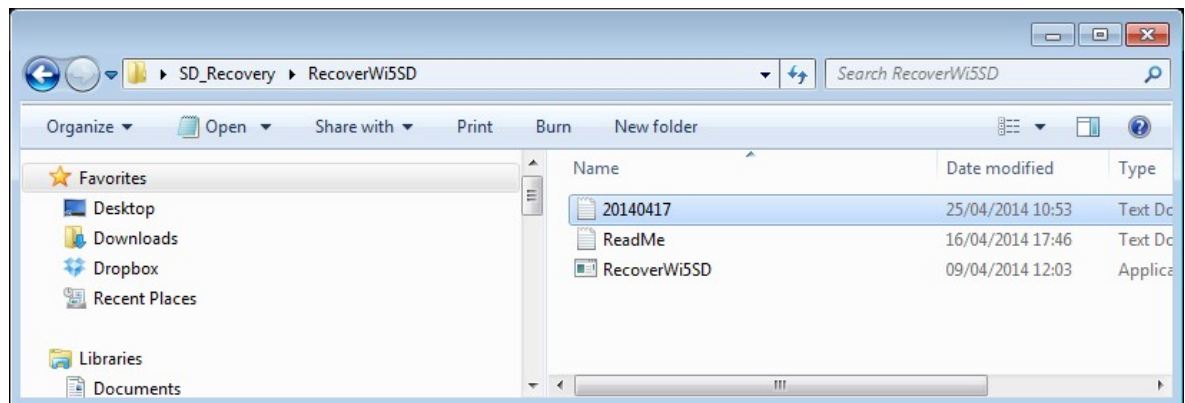
*RecoverWi5SD X yyyymmdd YYYYMMDD NNNN*

Where: **NNNN** is the unit identifier for the Wi5D unit  
All other parameters are as for the Wi5 card.

The application will scan the whole card looking for Wi5 data records.

Found records will be stored in files with up to 4096 records per file, with the filename in the format **NNNN\_yyyymmddhhmmss\_nn.txt**. The complete set of files will need to be sent to the database administrator and dropped into the Wi5converter directory on the server as if they had been generated by the Toran process.

- The whole recovery process will take up to 20 minutes. No changes will be made to the SD card.



- If you wish to run the application again, then first move or delete any previously recovered files.
- To re-use the SD card, fully re-format the card (FAT32 Format) before re-fitting to the Wi5 unit. (Using Windows Explorer, Right-Click on the SD Card Drive letter and select 'Format')

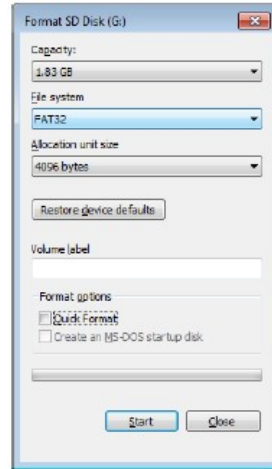


Ref: SH0023

Issue: 2

Title – RecoverWi5SD Utility

Made By: SL 23/11/2020 (Issue 2)



The RecoverWi5SD Utility is suitable for WIN XP, WIN7 32/64, WIN8 32/64 (Not WIN RT) and WIN10.

#### **Document History:**

Edition	Date of Issue	Modification	Notes
1	25/04/14	1 <sup>st</sup> Release	
2	23/11/2020	Wi5D update	