# Battery Health Check Installation guide

## Locate and copy files to VTC

Locate files and place into the disk space check folder in the motec log file drive.

File can be found in the IG88 documents at Documents/General/02 Documentation/Checklists/Monthly Checklists/Disk-Storage Health Check/Battery Check (Temp Folder). Files to move are

* DashboardRecordingEnd.ps1
* DashboardRecordingStartV2.ps1
  + Note that on older machines that you will need a custom script
    - To check open the dashboard program and see if it uses the ePro Plus if not then will need a custom script
    - If it uses the expert pro can use mm16’s script.
* fileTransferBatteryV5.exe

on the machines VTC Copy those files to C:\Users\MMXX\Phibion Pty Ltd\MoTec Log file - MM48 Logged Data\Disk Space Health Check Output.

## Dashboard start script and File transfer task scheduler

Open task scheduler and navigate to Task Scheduler Library/Microsoft and then click Create task.

|  |  |
| --- | --- |
| Genral | * Name: Battery Dashboard Record Start * Tick Run with highest privileges |
| Triggers | * Click new. * Tick daily. * Set for 12:10 am. * Tick enabled. * Tick stop task if it runs longer than: then set for 30mins |
| Actions | * Click new * Select Start a program * Program/script: powershell.exe * Add arguments: -ExecutionPolicy Bypass -File "C:\Users\MM48\Phibion Pty Ltd\MoTec Log file - MMXX Logged Data\Disk Space Health Check Output\DashboardRecordingStartV2.ps1" * Ok * Click new again * Select Start a program * Click browse * Find the fileTransferBattery file and select |

Run the task to test. Should open the dashboard program and look in task manager for the filetransferBattery program.

## Dashboard end script task scheduler

Open task scheduler and navigate to Task Scheduler Library/Microsoft and then click Create task.

|  |  |
| --- | --- |
| Genral | * Name: Battery Dashboard Record End * Tick Run with highest privileges |
| Triggers | * Click new. * Tick daily. * Set for 12:05 AM. * Tick enabled. * Tick stop task if it runs longer than: then set for 30mins |
| Actions | * Click new * Select Start a program * Program/script: powershell.exe * Add arguments: -ExecutionPolicy Bypass -File "C:\Users\MM48\Phibion Pty Ltd\MoTec Log file - MMXX Logged Data\Disk Space Health Check Output\DashboardRecordingEnd.ps1" |

Run the task to test. It should stop the recording from the Record start schedule made previously and close the dashboard program.

## Add data to power bi

Navigate to the power bi report located at (add file path).

### Connect the data

You will need to connect to 2 different types of data being the folder information and the actual battery recordings.

### Connect to folder information

Connect to the folder located here “MoTec Log file - General\MMXX Logged Data\Disk Space Health Check Output” in your machines motec folder.

* Rename data to MMXX\_Disk\_Space\_Health\_Check\_Output
* Remove Content and Attributes columns
  + The following command is able to do this
  + = Table.RemoveColumns(Source,{"Content", "Attributes"})

### Connect to battery records

Connect the data. Use the connect to .txt to connect the 7 text files created by the fileTransferBattery script. Not that you may need to wait three days for the program to generate all 7 txt files or generate 7 recordings manually from the dashboard program. Thes txt files include

* LatestBatteryData.txt
* YesterdaysBatteryData.txt
* 2DaysAgoBatteryData.txt
* 3DaysAgoBatteryData.txt
* 4DaysAgoBatteryData.txt
* 5DaysAgoBatteryData.txt
* 6DaysAgoBatteryData.txt

### Change data names

Navigate to the power query editor in power bi or transform data screen. Change the name of the below data sets to as shown

* LatestBatteryData to MMXX\_LatestBatteryData
* YesterdaysBatteryData to MMXX\_ YesterdaysBatteryData
* 2DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData
* 2DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData
* 3DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData
* 4DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData
* 5DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData
* 6DaysAgoBatteryData to MMXX\_2DaysAgoBatteryData

### Create 3 new columns for each data set

For each of the dataset being

* LatestBatteryData.txt
* YesterdaysBatteryData.txt
* 2DaysAgoBatteryData.txt
* 3DaysAgoBatteryData.txt
* 4DaysAgoBatteryData.txt
* 5DaysAgoBatteryData.txt
* 6DaysAgoBatteryData.txt

Click on the dataset then click add column (top of page next to home and transform), then click on custom column. For each of the columns name them as follows.

* Source
  + =”MMXX”
* Date
  + = Table.AddColumn(#"Added Custom", "Date", each let filteredRow = Table.SelectRows(MM25\_Disk\_Space\_Health\_Check\_Output, each [Name] = "6DaysAgoBatteryData.txt" // Replace "Name" with the actual column name if needed ), selectedRow = if Table.IsEmpty(filteredRow) then null else Record.Field(filteredRow{0}, "Date modified") in selectedRow)
  + I suggest you just copy and paste it from another machine and change the MMXX and record file/[Name] to match. Copy and pasting the above won't work as newlines need to be in the correct location.
* Time (Hours)
  + = [Time]/3600

### Add data to Append1 table

Goto the append1 data then in then add the tables to the list of combined tables in the source step.

