# ElphaPex DG1/DG1+ Upgrade Solution

## Introduction

Release version: V1.0.0 Release Date: 2024-04-10 Security Level: □Top-Secret □Secret □Internal ■Public

## **1** Overview

For upgrading the firmware version of DG1/DG1+, here are the 3 methods that you can choose:

①Upgrading by using ElphaPex Tool (<u>Batch Upgrade</u>)
 ②Upgrading by the miner back-end interface (Individual Upgrade)
 ③Flashing SD card upgrade (Individual Upgrade, if the above upgrade methods failed, please try this method)

## **2 Preparing Tools**

Hardware: computer (Windows), mining machine , router. Software: Latest firmware file on official website, ElphaPexTool, ElphaPex\_SDDiskTool, Google Chrome (or Firefox).

Open Chrome and go to the official website of <u>ElphaPex</u> to download the latest **ElphaPexTool**, **ElphaPex\_SDDiskTool** and **DG1 firmware version**. Once you have prepared these files, proceed to the next step.



|   | Device Type  | Upload Date                        | Size            | Operation               |
|---|--|------------------------------------|-----------------|-------------------------|
| mware version                                 | DG 1 Server Manual V1.0.1                              | 2024-04-11 01:14:27                | 3.92mb          | * Download              |
|   | ElphapexTool_1.0.020240301_Release_<br>CN              | 2024-04-10 09:14:03                | 1.19mb          | * Download              |
|   | ElphapexTool_1.0.020240301_Release_                    | 2024-04-11 09:14:12                | 1.20mb          | 生 Download              |
| i Support / Manu                              | el   |                                    |                 |                         |
| e / <b>Support</b> / Manu<br>Manuel           | el<br>Input Device Type                                |                                    |                 |                         |
| a / Support / Manu<br>Manue!<br>mware Version | Input Device Type                                      | Upload Date                        | Size            | Operation               |
| a / Support / Manu<br>Manuel<br>mware Version | Input Device Type<br>Firmware Version<br>DG1_SW_V1.0.1 | Upload Date<br>2024-04-10 17:14:19 | Size<br>64.40mb | Operation<br>C Download |



## **3 Connected properly**

Connect the computer to the router, the mining machine (or control board) is also connected to the router (router to enable DHCP service), the computer and the mining machine in the same network segment (ordinary home router DHCP service is enabled by default, the default network port and WIFI is in a network segment, generally do not need to set.)

## **4 Upgrading by using ElphaPex Tool**

### 4.1 Sanning the miner

Click the "+" button and enter the correct IP range, then click the "Scan" button find the online miners.

| Rame + DefaultUP Scan StopScan Romitor ConfigSil ConfigSil RebootAll RebootSel Uperade Export Setting RemoteCtri ConfigSil ConfigSil ConfigSil ConfigSil ConfigSil ConfigSil RebootAll RebootSel Uperade Export Setting RemoteCtri ConfigSil | ElphaPexTool | 1.0.0 (2024 | 40301)        |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          | -   |     |
|--|--------------|-------------|---------------|---------|----------|---------|-------------|-----------|-----------|-----------|--------------|-------|-------|-----------|----------|----------|----------|----------|-----|-----|
| Der Tex Fix on Conference of the State                                 | IPRange      | + -         | DefaultIP     | Scan    | StopScan | Monitor | ConfigA11   | ConfigSel | RebootA11 | RebootSel | Upgrade      | Exp   | ort   | Setting   | RemoteC  | trl      |          |          |     |     |
| Posil: User: Passed: Suffix: O IP © Reserve O Clear     Pool2: User: Passed: Suffix: O IP © Reserve O Clear     Pool3: User: Passed: Suffix: O IP © Reserve O Clear     Only display matched miners     Only display matched miners     State WorkMode Real inserts  | LAN 192      | 2. 168. 20  | ), 0-192, 168 | 20, 255 |          |         |             |           |           | 100       | % Scan compl | eted. | Total | : 256 Mat | ched: 0  |          |          |          |     |     |
| Pool2: User: Passed: Suffix: O IP © Reserve O Clear     Pool3: User: Passed: Suffix: O IP © Reserve O Clear     Only display matched miners     Solar display matched miners     State Model WorkMode Real inserts AverageRate PowerChitnut TempMrs TempPrB: TempPr      | 1            | 6           |               |         | 🛛 Pool1  |         |             | User:     |           | Passwd:   | Suffi        | x: 0  | IP    | • Reser   | ve O Cle | ear      |          |          |     |     |
| Popol3: User: Pasend: Suffix: O IP © Reserve O Clear      Only display matched miners      State Model TorkMode RealtimePate AveragePate Promor/Ditnut TempMay TempPCR1 TempPCR2 TempPCR3 TempPCR4 Fac   |              | /           | 5             |         | Poo12    | -       |             | User:     |           | Passwd:   | Suffi        | x: 0  | IP    | • Reser   | ve O Cle | ear      |          |          |     |     |
| Only display matched miners     Model WorkMode RealtimeDate AveragePate ProverNitnit TempMay TempPCR1 TempPCR2 TempPCR3 TempPCR4 Fas   | /            |             |               |         | Poo13    |         |             | User:     |           | Passwd:   | Suffi        | x: 0  | IP    | • Reser   | ve O Cle | ear      |          |          |     |     |
| State Model WorkMode RealtimeRate AverageRate PowerOutput TempMay TempPCB1 TempPCB2 TempPCB3 TempPCB4 Fai  |              |             |               |         | 🛛 Only   | display | natched min | ners      |           |           |              |       |       |           |          |          |          |          |     |     |
| source source rearrangement rearrangement rearrangement rearrangement  |              |             | State         |         | Mode     | 1 Work  | lode Rea    | ltimeRate | Averagel  | Rate Po   | verOutput    | Теп   | npMax | x Temp    | PCB1     | TempPCB2 | TempPCB3 | TempPCB4 | Fan | RPM |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |
|  |              |             |               |         |          |         |             |           |           |           |              |       |       |           |          |          |          |          |     |     |

## 4.2 Upgrading Process

Select the required upgrading miner and click the "**Upgrade**" button above, then select your miner type and the correct firmware file path.

| 8 EphaPes | Tool 1.0.0 (20240301) |                    |                          | _                |               |                      |                                 | - 0 ×                   |
|-----------|-----------------------|--------------------|--------------------------|------------------|---------------|----------------------|---------------------------------|-------------------------|
| IPRar     | go + - DefaultIP Scan | StopScan Monitor C | mfighll ConfigSel Reboot | A11 RebootSel Up | pgrade Export | Setting RemoteCtr1   |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       | Pool1:             | User:                    | Paperd:          | Suffix: O IP  | • Reserve O Clear    |                                 |                         |
|           |                       | Poo12:             | User:                    | Passad:          | Suffix: O IP  | • Reserve O Clear    |                                 |                         |
|           |                       | Pool3:             | User:                    | Passed:          | Suffix: O IP  | • Reserve ○ Clear    |                                 |                         |
|           |                       | Only display mate  | hed miners               |                  |               |                      |                                 |                         |
| IP        | State Model           | WorkMode RealtimeR | AverageRa PowerOutp Temp | Max TempPCB1     | TempPCB2 Temp | PCB3 TempPCB4 FanRPM | FanInlet1 FanInlet2 FanOutlet F | anOutlet Elapsed(s Pool |
| 1         |                       |                    |                          |                  |               |                      |                                 |                         |
| -         | Firmware Upgrade      |                    |                          |                  | -             |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           | Miner Type:           | ElphaPexMi         | ner DG1                  | ~                |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           | Firmware Pa           | th: C:\Users       | \Desktop\F               | 2404140004       | 40 ~ +        |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |
|           | 🗆 Retain Setting      | s after upgrade    | Upgrade Select           | Upgrade A11      | Cance1        | Upgrade              |                                 |                         |
|           |                       |                    |                          |                  |               |                      |                                 |                         |

Click the **"Upgrade selected**"(upgrade the selected miners) or the **"Upgrade all**"(upgrade all miners) button, then you need wait about 1-2 minutes for the upgrading process.



| <pre>IPBeere i Betuit/P Sono Stagican Renicor Contigiti Contigiti Resordal Besordal Besordal</pre>  | ElphaPexTool 1.0.0 (2) | 0240301)            |               |              |                |          |              |         |               |             |               |        |        |            |        |                   | - 0  |
|--|------------------------|---------------------|---------------|--------------|----------------|----------|--------------|---------|---------------|-------------|---------------|--------|--------|------------|--------|-------------------|------|
| j148: 192. 164. 20.4 -102. 165. 205<br>Deall: Deer: Preed: Dufin: O IP © Beserve O Clear<br>Preed: Dufin: Dufin: O IP © Beserve O Clear<br>Preed: Dufin: O IP © Beserve O Clear<br>Preed: Dufin: O IP © Beserve O Clear<br>Preed: Dufin: Dufin: O IP © Beserve O Clear<br>Preed: Dufin: Du   | DIPRange +             | DefaultIP           | Scan StonSca  | n Monitor    | ConfigAll C    | onfigSel | RebootA11    | RebootS | el Upstrade   | Export      | Setting Remot | eCtrl  |        |            |        |                   |      |
| Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti:<br>Pesti: | 🖌 LAN: 192.168         | . 20. 0-192. 168. : | 20.255        |              |                |          |              | -       | 100% Scan com | leted Total | 256 Matched:  | 1      |        |            |        |                   |      |
| P2 165: 30.101<br>Confirm  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
| Presed: Suffrier O LP Greater Colleat<br>Presed: Suffrier O   |                        | Firmware Upge       | ading PO      | M1:          | Use            | er:      |              | Passwu: |               | 18: 0 IF    | Reserve O C   | leen   |        |            |        |                   |      |
| 100% Upgrade Result: Total:1 Success:1 Fail.or<br>0 166:20.101<br>Confirm  |                        | -                   |               |              |                |          | -            | Passwd: | Suff          | ix: OIP     | Reserve O C   | lear   |        |            |        |                   |      |
| IP<br>100% Uperade Result: Total:1 Success:1 Fail:0<br>WarrageRate PowerOutput TempMax TempHCBI TempFCB2 TempFCB3 TempFCB4 FanRPM FanInleti FanInleti<br>0 150 13 23/23 23/23 23/23 23/23 23/23 23/23 0000 9940<br>Confirm   |                        |                     |               |              |                |          |              | Passwd: | Sur           | 11: 0 IF    | Accelve o c   | .cui   |        |            |        |                   |      |
| Product     Propriod     Proprid     Propriod     Propriod     Proprio  | TD                     | 1                   | 00% Upgrade H | Result: Tota | al:1 Success:1 | Fail:0   |              | D       |               |             |               | T 0000 | 7 0000 | T DOD 4    | D 004  | D 7 1             |      |
| Confirm  | 1P<br>192, 168, 20, 1  | 01                  |               |              |                |          | Average<br>0 | Rate    | PowerOutput   | 23          | 23/23         | 23/23  | 23/23  | 23/23      | Normal | Faninieti<br>6000 | 5940 |
| Confirm  |                        |                     |               |              |                |          |              |         |               | 1000        | 1000000       |        |        | 0.0010.000 |        |                   |      |
| Confirm  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               | Confirm      |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               | continu      |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        | -                   |               |              |                | -        |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
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|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
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|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |
|  |                        |                     |               |              |                |          |              |         |               |             |               |        |        |            |        |                   |      |

Wait for about 5 minutes for the DG1/DG1+ to upgrade and restart.

## 4.3 Kindly note

You can select the "**Retain settings after upgrade**" button if you wouldn't like to change the settings after upgrade)

| rmware Upgrade        |                   |              | -   |      |
|-----------------------|-------------------|--------------|-----|------|
| Miner Type: ElphaP    | exMiner DG1       | ~            |     |      |
| Firmware Path: C:\Use | rs\ggggd\Desktop\ | R24041400040 | ~ + | ) (= |
|                       |                   |              |     |      |
|                       |                   |              |     |      |
|                       |                   |              |     |      |
|                       |                   |              |     |      |
|                       | _                 |              |     |      |
|                       | _                 |              |     |      |

Once the upgrading is done, the success notification will pop up, after the upgrade is completed, please check again if the firmware version is the latest or not, if it is, the upgrade is successful. If it's failed, please contact our after-sale service for assistance.

## 5 Upgrading by the miner IP interface (Individual Upgrade)

## 5.1 Log in to the miner

Open Google Chrome, type the obtained IP into the Google address bar and press enter.



The user name and password will pop up. Enter your username and password, the default is root. If you have changed it yourself, use the password and username you set to log in.



## 5.2 Miner Upgrade

Once you enter the back end of the miner, please click the "Update" button.

| 8               | ElphaPexMiner   | ≡ Elp                       | haPexMiner DG1       | algorithm: Scrypt       |   |           |               |                               |       |                     |            | D blink 20     | 24-04-22 20:52 | 35 🛪 English 👻 |
|-----------------|-----------------|-----------------------------|----------------------|-------------------------|---|-----------|---------------|-------------------------------|-------|---------------------|------------|----------------|----------------|----------------|
| <b>::</b><br>•° | Dashboard       | Rate                        |                      |                         | Network   |           |               | Fans                          |       |                     |            | Temp           |                |                |
| C               | IP<br>Update    |                             |                      | abnormal                |   |           | abnormal      |                               |       |                     | ormal      |                |                | normal         |
| ۹<br>۲          | Password<br>NTP | Real Ti                     | me Hash Rate         |                         | Average Total H   | Hash Rate |               | 1.0                           |       | T                   | otal 🥅 🗖   |                |                |                |
| L05             | Log             | 0.00                        |                      |                         | 0   |           |               | 0.8                           |       |                     |            |                |                |                |
|                 |                 | Pool Rejection Rate<br>NaN% |                      |                         | Miner Running Time<br>0 d 0 h 0 m 0 s                     |           |               | 0.4<br>0.3<br>0.2<br>0.1<br>0 |       |                     |            |                |                |                |
|                 |                 | Pool                        | minerAddr            | minerName               | minerPool   | Diff      | Priority      | Accepted                      | DiffA | DiffR               | Rejected   | Stale          | LSDiff         | LSTime         |
|                 |                 | ElphaP                      | exMiner DG1          |                         |   |           |               |                               |       |                     |            |                |                |                |
|                 |                 | index<br>0                  | chipNum<br>144       | Frequency<br>69000      | theoryHash<br>0   | n         | hashrate<br>0 | picTem 25.9/26.3              |       | chipState<br>normal | SN<br>V3HY | 23B233D777216H | 20JB12         |                |
|                 |                 | firmware                    | Version: DG1_SW_V1.0 | 0.2 , ipAddress: 192.16 | 3.20.152 , MAC: b8:4c:87 ef.a0.05 , firmwareType: Release |           |               |                               |       |                     | RESTORE    | REBOOT         |                |                |

Click the Upload button ① in the firmware upgrade screen to open the file selection window and find the prepared firmware path. Select the corresponding firmware and open it.

After opening the selected firmware, the firmware name will be displayed in the window behind the firmware file, confirm that the firmware is correct and tap the "**Update**" button <sup>②</sup> to upgrade the firmware.



After clicking upgrade firmware, the miner will indicate that "**Upgrading in process, wait 3 minutes please**", at this time the miner will upgrade the firmware and reboot will take about 3 minutes.

| 8   | ElphaPexMiner   |  | blink 2024-04-22 21:27:21 | 🕱 Englis |
|---|---|--|---------------------------|----------|
| •<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>• | Dashbard<br>Miner<br>IP<br>Update<br>Passoord<br>NTP<br>Log |  |                           |          |
|   |   | Primuse Fix<br>DG1_SW_V1.0.2_20240412.1833_RELEASE zp (67.6 MB)<br>UPDATE<br>fmmwareVersion: DG1_SW_V1.0.2, ipAddress 192.168.20.152, MA | RESTORE                   | REBOO    |

Refresh the webpage after the upgrade is completed, we check again if the firmware version of the miner is the same as the upgraded firmware version, if it is, the upgrade is successful.

firmwareVersion: DG1\_SW\_V1.0.2 , pAddress: 192.168.20.152 , MAC: b8:4c:87:ef:a0:05 , firmwareType: Release

## **6** Flashing SD card upgrade

### 6.1 Create an Upgrade Disk

Creating an upgrade disk refers to inserting the SD card created by the ElphaPex\_SDDiskTool card-making tool to the machine to upgrade, this section will introduce how to create a upgrade disk and some upgrade issues in details.

#### 6.1.1 Preparing Tools

If the downloaded firmware is a compressed file, you need to first decompress it into an image file.

| )<br>DGN_SW/<br>0_20240 | Open<br>Share with Skype                    |   |  |
|-------------------------|---|---|--|
| E DEBU                  | Extract All<br>7-Zip                        | > | Open archive   |
|                         | Pin to Start                                |   | Open archive<br>Evtract file   |
|                         | Scan with Microsoft Defender                |   | Extract Here   |
|                         | Give access to<br>Restore previous versions | > | Test archive<br>Add to archive   |
|                         | Send to                                     | > | Compress and email<br>Add to "DG1 SW V1.0.0 20240325.1939 RELEASE DEBUG.zip.7z"  |
|                         | Cut<br>Copy                                 |   | Compress to "DG1_SW_V1.0.0_20240325.1939_RELEASE_DEBUG.zip.7z" and email<br>Add to "DG1_SW_V1.0.0_20240325.1939_RELEASE_DEBUG.zip.zip" |
|                         | Create shortcut<br>Delete                   |   | Compress to "DG1_SW_V1.0.0_20240325.1939_RELEASE_DEBUG.zip.zip" and email CRC SHA  |

Prepare a new SD card with storage space >= 4GB

#### 6.1.2 Creating

As shown in the figure below, use the tool in the project directory "tools\ElphaPex\_SDDiskTool\_v1.62" to create a upgrade disk.

|   | ElphaPex ( | Create Upgrade Disk Tool v1.62           |                   | X |
|---|------------|--|-------------------|---|
| 1 | FirstCh    | oose removable disk S                    | DBoot:2.12        |   |
| 2 | Second:    | Choose function mode<br>Upgrade Firmware | Boot              |   |
| 3 | Third:Ch   | 20240406.0005_RELEASE_DEBUG\IMAGE        | store<br>Firmware |   |
|   | Fourth:C   | Choose demo(Option)                      | Demo              |   |
|   | 4          |  | Create            |   |
|   |            |  | Restore           |   |

First: Choose removable disk, select the SD card you prepared;

Second: Choose function mode, only tick "Upgrade Firmware";

Third: Choose firmware, choose the packaged update.img file by the "Firmware" button;

After that, click the "**Create**" button.

If the creation is successful, a prompt will appear. At this point, there will be two files in the root directory of the SD card, and the upgraded firmware update.img will be named sdupdate.img.

### 6.2 Upgrade

After all the preparations are completed, insert the SD card into the DG1/DG1+ and power on.

Wait for about 5 minutes until the red and green LEDs flash slowly, indicating a successful upgrade. Remove the SD card, and the device will automatically restart and enter a normal state.

## 7 Contact us

If you have any questions, please feel free to contact ElphaPex Customer Support.

