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# Leica Geosystems QuickStart Guide: BLK360 Data Manager

ProductLeica BLK360 Data ManagerFromHDS Software Product Management

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Import/Man	age BLK360	×
Status: CONNECTI	ED	Serial 3500034 Firmware 1.0 beta5-pre7 Megabytes used 95
ļ		<b>Q</b> Find & Connect Device
	0 Capture Setti ensity: Low	ngs TImage: LDR TImage EV: -5 Steps Sync Time
Battery Lev	vel: 📃	89%
Select	Name	Date Time
	Setup-001	2017-05-02-22:49:46
Select All	Delete	Add to Project Close

#### Introduction

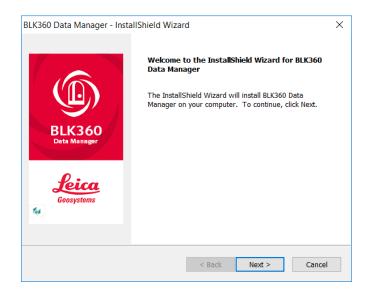
The Leica BLK360 Data Manager program is a standalone program that allows the user to download Leica BLK360 imaging scanner data directly to the computer disk. In addition, the user can also change the capture settings such as the scan resolution, HDR or LDR image options, and image exposure.

Once the data is downloaded, it can be imported into Cyclone REGISTER 360 1.4.1 or Cyclone 9.2.1 or higher.

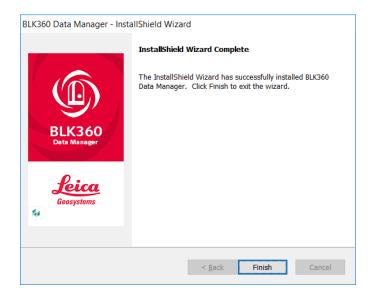


#### Installation

1. Click on the install file to start the installation process:



2. Click Next, accept the licening agreement to finish the process:



#### Program usage

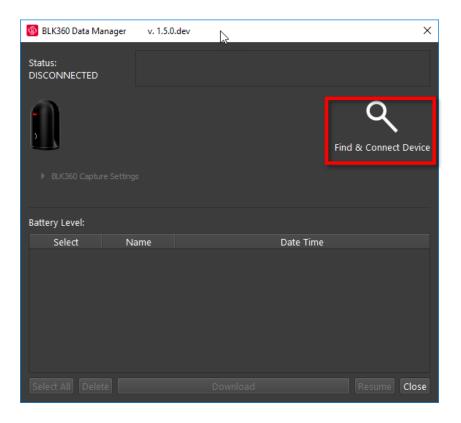
1. Cilck on the BLK360 Data Manger icon in the desktop to start the program:

BLK360 Data Manager	v. 1.5.0.dev	2	×
Status: DISCONNECTED			
			٩
			Find & Connect Device
BLK360 Capture Settin			
Battery Level:			
,			
	lame	Date Time	

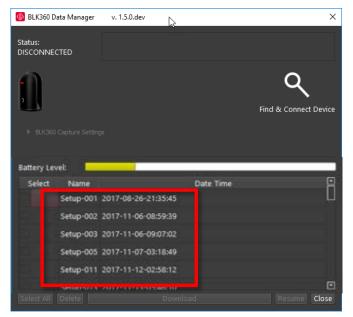
 Connent your computer's WiFi to the BLK360 using the Windows wireless connection (Windows 10 is used in this example). The wireless password is located on the inside of the battery door of the BLK360 scanner. When entering the password ensure proper cpitalization and inclusion of all dashes.

	(i.	BLK360-3500389 No Internet, secured <u>Properties</u>	
Disconnect			Disconnect

3. Click the Find & Connect Device button inside of the BLK360 Data Manager application:



4. Once connected, a list of scan setups is shown along with the Battery level, Serial number of the scanner, firmware version, memory used, and Capture settings.

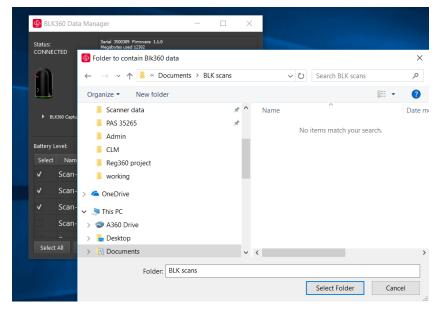


The BLK360 Data Manager will not initiate or continue a download with 15% battery life or less.

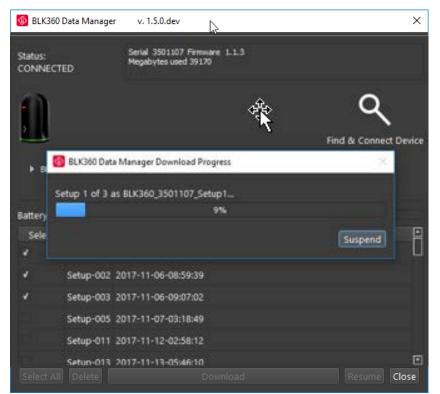
5. Select the setups to download by marking the check boxes next to each setup (you can multiselect setups by holding the shift key), then click download:

Status: CONNECT	ED	Serial 3501107 Firmware 1.1.3 Megabytes used 39170	
0		From 1	م Find & Connect Device
+ BUG8	o capare sea	and the second	
BLK36 Battery Let Select	ret:	Date Time	
lattery Le	ret: Name		Ö
lattery Le	vel: Name Setup-001	Date Time	Ĝ
lattery Le	vel: Name Setup-001 Setup-002	Date Time 2017-08-26-21:35:45	Ċ
lattery Le	rel: Name Setup-001 Setup-002 Setup-003	Date Time 2017-08-26-21:35:45 2017-11-06-08:59:39	Ċ
lattery Le	vel: Name Setup-001 Setup-002 Setup-003 Setup-005	Date Time 2017-08-26-21:35:45 2017-11-06-08:59:39 2017-11-06-09:07:02	Ċ

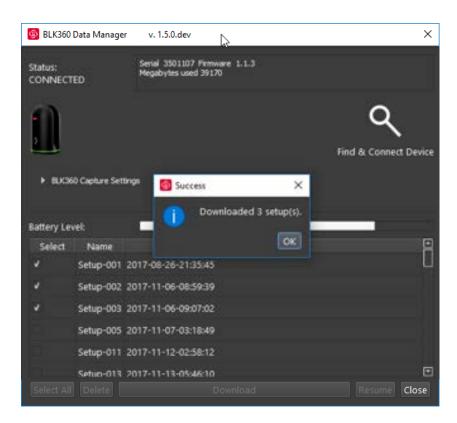
6. Select the destination folder for the BLK360 setup data:



7. After clicking the Select Folder button the download will begin. A progess bar will appear:



8. When complete, a dialog will appear:



9. Browse to the folder and inspect the contents:

^	Name
	BLK360_3500389_2017-08-18-10_36_29.blk
	BLK360_3500389_2017-08-18-10_51_32.blk
	BLK360 3500389 2017-08-18-11 25 38.blk

10. The BLK360 data files can be imported into Cyclone REGISTER 360 or Cyclone. The file type used is \*.blk. Simply drag and drop the \*.blk files into Cyclone REGISTER 360 or browse to the folder and select the scans. For Cyclone, use the Import command the browse to the selected folder containing the BLK360 files to import the data.

#### Changing the settings on the BLK360 imaging scanner

 Capture settings can be changed in this section of the dialogue window. Use the pull downs to select scan density (high, medium, low), image quality (LDR or HDR) and Image exposue (EV-5 to +5).

Import/Man	age BLK360	x
Status: CONNECTI	ED	Serial 3500034 Firmware 1.0 beta5-pre7 Megabytes used 95
,		Q
_		Find & Connect Device
T BLK36	0 Capture Setting	js
Scan De	ensity: Low	▼ Image: LDR ▼ Image EV: -5 Steps ▼ Sync Time
Battery Lev	rel:	89%
Select	Name	Date Time
	Setup-001 2	017-05-02-22:49:46
Select All	Delete	Add to Project Close

Once the settings are changed, they are applied to the BLK360 automatically.

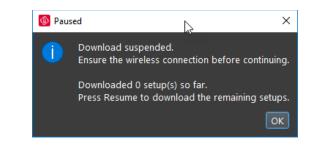
#### Suspend and Resume for the download process

During the download process a "Suspend" button is available to suspend the current download.

1. Click the "Suspend" button to suspend the download process.

BLK360 Data Manager Download Progress	×
Setup 1 of 1 as BLK360_3501107_Setup1	
6%	
	Suspend

2. A dialog will appear when the download is successfully suspended.



This dialog may also appear if there are connection issues with the WiFi

3. A dialog will appear informing the user to click the "Resume" button in the main dialog. Click "Resume" to continue the download.

BLK360	Data Manage	r v. 1.4.2	×
Status: CONNECT	ED	Serial 3501107 Firmware 1.1.3 Megabytes used 39170	
			٩
			Find & Connect Device
	0.0	tings	
BLK36			
▼ BLK36 Scan			
	Density: Hi		
	Density: Hi		•
Scan	Density: Hi	gh ▼ Image: HDR ▼ Image EV: 0	
Scan Battery Lev	Density: Hi /el: <b>Name</b>	gh ▼ Image: HDR ▼ Image EV: 0 80%	-
Scan Battery Lev Select	Density: Hi /el: Name Setup-001	gh ▼ Image: HDR ▼ Image EV: 0 80% Date Time	-
Scan Battery Lev Select	Density: H vel: Name Setup-001 Setup-002	gh ▼ Image: HDR ▼ Image EV: 0 80% Date Time 2017-08-26-21:35:45	
Scan Battery Lev Select	Density: H vel: Name Setup-001 Setup-002 Setup-003	gh ▼ Image: HDR ▼ Image EV: 0 80% Date Time 2017-08-26-21:35:45 2017-11-06-08:59:39	
Scan Battery Lev Select	Density: H vel: Name Setup-001 Setup-002 Setup-003 Setup-005	oh V Image: HDR V Image EV: 0 80% Date Time 2017-08-26-21:35:45 2017-11-06-08:59:39 2017-11-06-09:07:02	
Scan Battery Lev Select	Density: H vel: Setup-001 Setup-002 Setup-003 Setup-005 Setup-011	ph V Image: HDR V Image EV: 0 B0% Date Time 2017-08-26-21:35:45 2017-11-06-08:59:39 2017-11-06-09:07:02 2017-11-07-03:18:49	

Users may wish to utilize the "Suspend/Resume" function during long downloads to swap batteries. The BLK360 Data Manager will automatically suspend an in-progress download when the device reaches 15% battery life in order to preserve download progress. Once the battery has been replaced with a fully changed unit, the user must use their computer WiFi settings to reconnect to the BLK360 Data Manager then hit "Resume." The download will pick up from the setup that was interrupted and continue until completion or 15% battery level is reached again.

### Sync Time command

To sync the time of the BLK360 to the connected computer, click the Sync Time button in the Data Manager:

BLK360 Data	Manager	v. 1.5.0				x
Status: CONNECTED		Serial 3500034 Megabytes used	Firmware 195	1.0 -beta5-p	re7	
,					Find & C	<b>Q</b> Connect Device
▼ BLK360 Cap	oture Setting	JS				
Scan Densit	y: Low	<ul> <li>Image:</li> </ul>	LDR 🔻	lmage EV:	-5 Steps 🔻	Sync Time
Battery Level:				89%		
Select N	Jame			Date Time		
Set	up-001 20	017-05-02-22:4	9:46			
Select All D	elete					Close