

1 Attaching the HiLOG unit

Use the enclosed tightening straps or a bonding tape to attach the unit. Place the HiLOG unit to your model so that the side with microUSB connector is easily accessible, in order to establish a cable connection with a computer.

2 Connecting the Rx cable to the receiver

Connect the Rx cable to a free receiver channel. In the transmitter, set this free channel to the same function as Throttle. The signal will be used to trigger the timer in the HiLOG unit.

3 Attaching the BatLink cable to the battery compartment

Attach the BatLink cable to the battery compartment so that it can be easily connected with the HiBAT identifier provided for power batteries.

4 First connection of HiLOG to PC via microUSB cable

Connect the HiLOG unit to your computer via microUSB cable and wait until the Windows[®] driver is loaded automatically. When done, the message „New device installed successfully“ appears.

5 Specifying model settings in HiLOG application

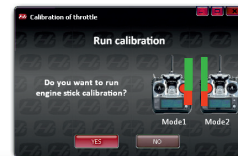
Copy the HiLOG application from the installation CD to a folder on your hard drive where you want to use the application. Start the application. The connected HiLOG unit will be indicated by the word "Connected" on a green background in the lower part of the application. Navigate to the menu „Settings – HiLOG“ and click the „Create a new model!“ button. Fill in all the fields on the „Settings – HiLOG“ page and save the model by clicking „Save settings into HiLOG“.



6 Run the throttle lever calibration

When the calibration is completed, check the „Enabled“ option.

Calibration



7 Save your settings

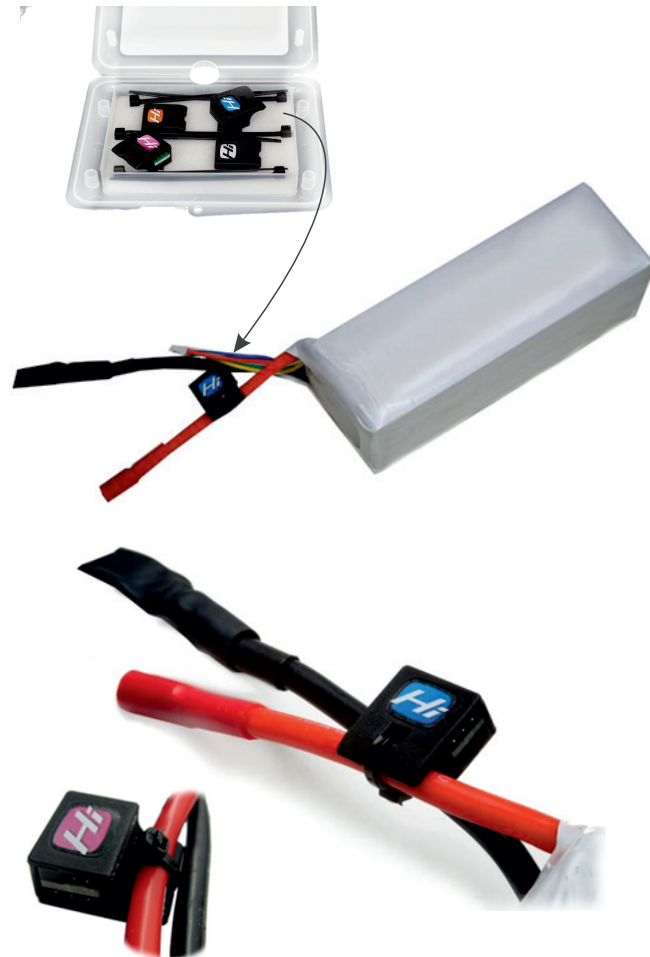
Save your settings by clicking the „Save settings into HiLOG“ button. The installation of HiLOG is completed and you can start using your model. Connect the BatLink cable to the HiBAT identifier before starting a flight or immediately after inserting a battery. This ensures the precise battery statistics. You can connect and record up to 8 different HiBATs (color-coded) for each flight.

Save setting into HiLOG

HiBAT identifier installation

1 Attaching the HiBAT identifiers to all batteries

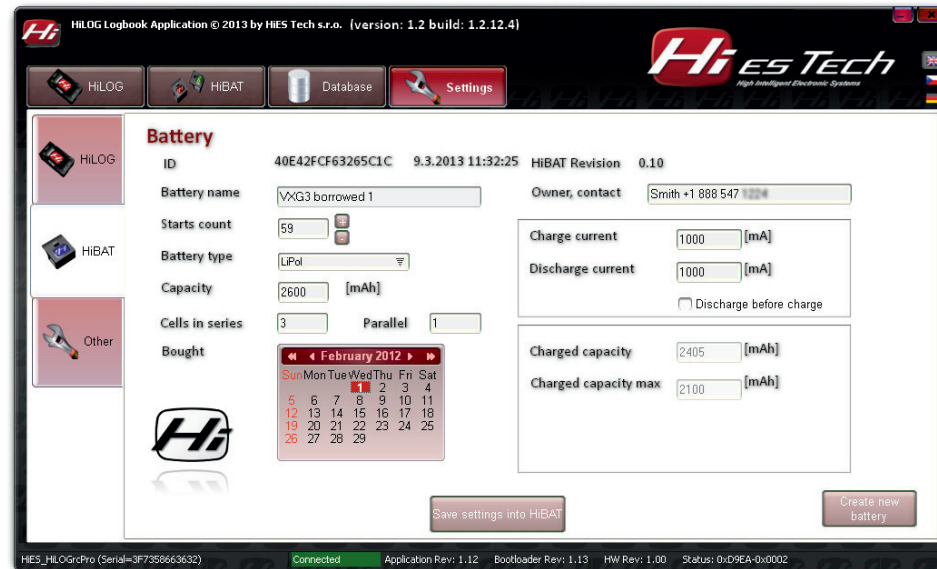
Attach the identifier to the battery cable using the enclosed tightening strap. Place the connector so that the BatLink cable can be easily connected, when the battery is inserted to your model.



2 Specifying new battery settings in HiLOG application

Specifying new battery settings in HiLOG application
Connect the HiBAT identifier to any HiLOG unit. Connect the HiLOG unit to your computer and run the HiLOG application. Navigate to the menu „Settings – HiBAT“ and click the „Create a new battery“ button. Fill in all the battery data and save your settings by clicking the „Save settings into HiBAT“ button.

The installation of HiBAT identifier is completed and you can start using your battery. Before each flight, connect the HiLOG unit with a BatLink cable. The HiLOG unit will perform a detailed recording of each battery and count its discharge cycles.



3 Describing a battery

The name of a battery specified in the database can be used also on your battery sticker. This way, you can later easily identify a real battery based on your chosen identical name.





How to use HiLOG[®] unit

1 Retrieving data from your HiLOG unit

You can connect HiLOG unit at any time to your computer via microUSB cable and view all the model information.

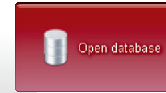
Click the „Update“ icon to copy all the data from HiLOG to the computer database.



2 Viewing the common model details offline

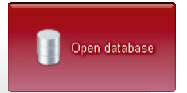
The summary of model details can be read also when a model is not connected. Just open the database in the „Database“ menu on the „Models“ page.

You can view the information such as the number of starts, total pilot time, model age and costs and service times spent. These data are updated during each update from HiLOG.



3 Viewing the database history

Open the database by clicking the „Open database“ button in the „Database“ menu. You can view the details of each flight on the „Flights“ page. Press the „Search“ button to search flights by model, date or category. The number of flight details to be displayed can be selected by clicking on Basic/Normal/Expert settings.



Model name: **Acromaster**

Starts: **20** Time spent: **0 hrs**

Total flight time: **01:40:08 [hh:mm:ss]** Total costs: **\$268.00**

Model age: **7 months 10 days** Export to file [TXT] [CSV] [XLS]

Model name	Bought	Model type	ID/HEX	Added starts	Added time	Pilot name	Pilot residence	Pilot email
Acromaster	2013/06/17	Airplane	1145273799	0	0	Petr Smith	12 Old Ave, Pittsburgh, PA	psmith12@gmail.com
AutoSym1	2013/09/08	Other	3478156790	10	30	Petr Smith	12 Old Ave, Pittsburgh, PA	psmith12@gmail.com
Trex450PRO, original, 3GX default	2010/03/10	Helicopter	345828009	0	0	Petr Smith	12 Old Ave, Pittsburgh, PA	psmith12@gmail.com
Trex450SEVII old with lights	2007/06/10	Helicopter	3144811641	0	0	Petr Smith	12 Old Ave, Pittsburgh, PA	psmith12@gmail.com
Trex700N, first, OS91H, Hatori	2010/03/10	Helicopter	2445171013	120	720	Petr Smith	12 Old Ave, Pittsburgh, PA	psmith12@gmail.com

Database summary Models: 5 Batteries: 13 Flights: 140

Database of RC models and batt

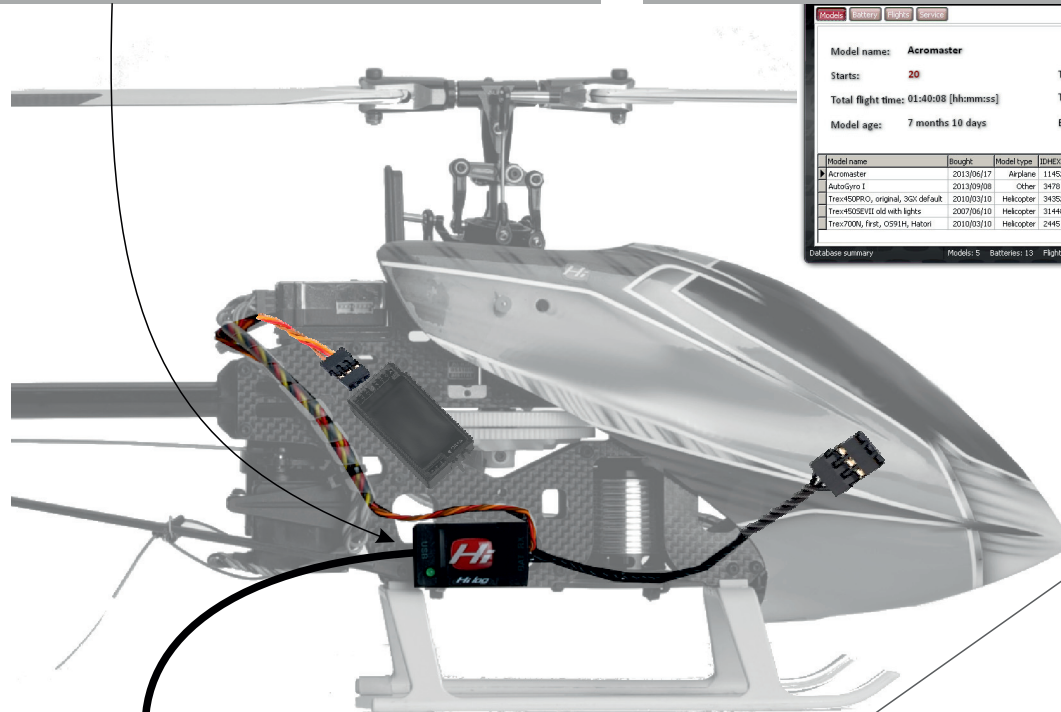
Time limit: No time limit year 2013 Time period: From: // To: //

Search by models: All models All from category: Airplane Only model: Airplane

Starts: **140** Total flight time: **13:21:42 [hh:mm:ss]** Export to file [TXT] [CSV] [XLS] Search >>

Date of flight	Model name	Flight time	ModelID	ModelID/HEX	HEBAT red	HEBAT pink	HEBAT violet	HEBAT blue	HEBAT green
2013/06/13 18:06:24	Trex700N, first, OS91H, Hatori	00:10:07	1	40E438BE91BE5945	2445171013	-	-	-	-
2013/06/13 18:24:22	Trex700N, first, OS91H, Hatori	00:10:41	2	40E438BE91BE5945	2445171013	-	-	-	-
2013/06/15 13:53:45	Trex700N, first, OS91H, Hatori	00:07:49	3	40E438BE91BE5945	2445171013	-	-	-	-
2013/06/16 18:05:28	Trex450SEVII old with lights	00:02:45	1	40E43C368B720479	3144811641	-	-	-	-
2013/06/16 19:03:40	Trex450SEVII old with lights	00:06:41	2	40E43C368B720479	3144811641	-	-	-	-
2013/06/16 19:11:30	Trex450SEVII old with lights	00:06:08	3	40E43C368B720479	3144811641	-	-	-	-
2013/06/16 20:25:04	Trex450SEVII old with lights	00:01:58	4	40E43C368B720479	3144811641	-	-	-	-
2013/06/16 20:28:17	Trex450SEVII old with lights	00:05:31	5	40E43C368B720479	3144811641	-	-	-	-
2013/06/16 20:39:10	Trex450SEVII old with lights	00:01:48	6	40E43C368B720479	3144811641	-	-	-	-

Database summary Models: 5 Batteries: 13 Flights: 140



HiES Tech HiLOG Logbook Application © 2013 by HiES Tech s.r.o. (version: 1.2 build: 1.2.12.4)

Starts: **52** Total flight time: **05:07:02 [hh:mm:ss]** Model age: **3 years 10 months 18 days**

Trex450PRO, original, 3GX default

Pilot: Petr Smith
Residence: 12 Old Ave, Pittsburgh, PA
Email: psmith12@gmail.com
Phone: +1 888 547 1234

Application Rev: 1.12 Bootloader Rev: 1.10 HW Rev: 1.00 Status: 0/DREA-0d002

How to use HiBAT identifier

1 Retrieving data from your HiBAT identifier

The data from the HiBAT identifier can be retrieved at any time by connecting the identifier to any HiLOG unit that is connected to a computer via microUSB cable. In the HiLOG application (HiBAT menu), the battery data are displayed. By clicking the „Update“ icon, the data in the database are updated.



2 Viewing the common battery details offline

The summary of battery details can be read also when a model is not connected. Just open the database in the „Database“ menu on the „Battery“ page. You can view the information such as the number of starts, total pilot time, battery age etc. These data are updated during each update from HiLOG and HiBATs.



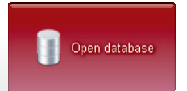
Battery name: **Kokam 1 1450**
 Starts: **15**
 Total flight time: 01:45:41 [hh:mm:ss]
 Battery age: 2 years 8 months 25 days

ID	Battery name	Owner, contact	HiBAT Revision	Battery type	Capacity	Cells in
40E438F00A49939	Kokam 1 T450	Smith +1 888 547	1	LiPoL	2100	
40E438FE13E0561F	Kokam T450 3	Smith +1 888 547	1	LiPoL	2100	
40E438E0C4504E5	Turnigy 2600 new 1	Smith +1 888 547	1	LiPoL	2650	
40E43A18F048F0D2	Turnigy 2600, old 1	Smith +1 888 547	1	LiPoL	2650	
40E44912E53F03E2	Turnigy 3000 for T500	Smith +1 888 547	1	LiPoL	3000	
40E42508EAC9C3C	Turnigy 3000, 30C, for T500	Smith +1 888 547	1	LiPoL	3000	
40E448F06C884070	Turnigy new set #6 a	Smith +1 888 547	1	LiPoL	3000	
40E448F07CFE3E30	Turnigy new set #6 b	Smith +1 888 547	1	LiPoL	3000	
40E448F039FAF516	Turnigy new set #6 c	Smith +1 888 547	1	LiPoL	2650	
40E448F07835C98F	Turnigy new set #6 d	Smith +1 888 547	1	LiPoL	2650	
40E448F03F10D9F1	Turnigy new set #6 e	Smith +1 888 547	1	LiPoL	2650	
40E448F039B0805E	Turnigy new set #6 f	Smith +1 888 547	1	LiPoL	2650	
40E42FC63265C1C	VXG3 borrowed 1	Smith +1 888 547	1	LiPoL	2600	

Database summary: Models: 5 Batteries: 13 Flights: 140

3 Viewing the database history

Open the database by clicking the „Open database“ button in the „Database“ menu. You can view the details of each flight on the „Flights“ page. Press the „Search“ button to search flights by model, date or category. After clicking the color code of a battery in the flights table, you can view also the full name of the battery. The number of flight details to be displayed can be selected by clicking on Basic/Normal/Expert settings.



Database of RC models and batteries

Time limit: No time limit

Year: 2013

Time period: From: To:

Category: All from category (Airplane)

Total flight time: 13:21:42 [hh:mm:ss]

Export to file: TXT CSV PDF

Search >>

Date of flight	Model name	Flight time	ID	ModelID	ModelIDHEX	HiBAT red	HiBAT pink	HiBAT violet	HiBAT blue	HiBAT green	HiBAT yellow
2013/06/13 18:06:24	Trex700N, first, OS91H, Hatori	00:10:07	1	40E438EE91BE5945	2445171013	-	-	-	-	-	-
2013/06/13 18:24:22	Trex700N, first, OS91H, Hatori	00:10:41	2	40E438EE91BE5945	2445171013	-	-	-	-	-	-
2013/06/15 13:53:45	Trex700N, first, OS91H, Hatori	00:07:49	3	40E438EE91BE5945	2445171013	-	-	-	-	-	-
2013/06/16 18:55:28	Trex450SEVII old with lights	00:02:45	1	40E43C3688720479	314811641	-	-	-	-	-	-
2013/06/16 19:03:40	Trex450SEVII old with lights	00:06:41	2	40E43C3688720479	314811641	-	-	-	-	-	-
2013/06/16 19:11:30	Trex450SEVII old with lights	00:06:08	3	40E43C3688720479	314811641	-	-	-	-	-	-
2013/06/16 20:25:04	Trex450SEVII old with lights	00:01:58	4	40E43C3688720479	314811641	-	-	-	-	-	-
2013/06/16 20:28:17	Trex450SEVII old with lights	00:05:31	5	40E43C3688720479	314811641	-	-	-	-	-	-
2013/06/16 20:39:10	Trex450SEVII old with lights	00:01:48	6	40E43C3688720479	314811641	-	-	-	-	-	-

Model name: Trex450PRO, original, 30x default

Flights: 52

Trex450SEVII old with lights: 48

Acromaster: 20

AutoGyro I: 13

Trex700N, first, OS91H, Hatori: 7

Database summary: Models: 5 Batteries: 13 Flights: 140

HiLOG Logbook: Application © 2013 by HiES Tech s.r.o. [version: 1.2 build: 1.2.12.4]

HiES Tech High Intelligent Electronic Systems

Starts: **59**

LiPoL, 2600mAh, 3S1P

Age: 1 year 11 months 25 days

VXG3 borrowed 1

Owner: Smith +1 888 547

Charge current: 1000

Discharge current: 1000

Revision: 0.10

HiES_HiLogPro (Serial=3F735663632) Connected Application Rev: 1.12 Bootloader Rev: 1.13 HW Rev: 1.00 Status: 0:DREA-0:002