

PASSPORT ULTRA AC/DC CHARGER CYCLER

OPERATION MANUAL



WWW.DYNAMITERC.COM

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Introduction

Thank you for purchasing the Dynamite® Passport™ Ultra AC/DC Peak Detection Charger/Cycler. The Passport line of chargers are high performance battery management chargers that can improve the reliability and life of most battery packs.

The Passport Ultra has built-in balance ports to monitor and balance 1S to 6S lithium battery packs during the charge process. The LCD display allows you to view the charge indicator, charge time, current, voltage and unbalanced voltage. It also charges 1- to 14-cell Ni-Cd and Ni-MH packs.

The discharge and cycling features allow unsurpassed battery conditioning and provides battery performance details to allow you to determine the quality of your batteries and improve their performance.

Be sure to read the entire manual to become familiar with the features of the charger. Failure to understand the features of the charger can cause serious damage to the charger, battery or cause serious injury and damage to personal property.

Never leave the charger unattended during use.

Specifications

Input: AC 100 to 240V DC 11 to 18V

Battery Type: Ni-Cd/Ni-MH/Li-Po/Li-Fe/Pb

Battery Cell: Ni-Cd/Ni-MH; 1 to 14-Cell
(1.2 to 16.8V)
Li-Po; 1S to 6S (3.7~22.2V)
Li-Fe; 1S to 6S (3.2~19.2V)
Pb; 2V, 6V or 12V

Charge Rate: 0.1A ~ 8.0A (0.1A Per gradation)

Discharge Rate: 0.1A ~ 5.0A (0.1A Per gradation)

Charging Capacity: 1 to 9900mAh

Safety Timer: 10 to 720 minutes or OFF

Trickle Charge Rate: 0.05 to 0.2A or OFF

Peak Sensitivity (-ΔV): 0~15mV

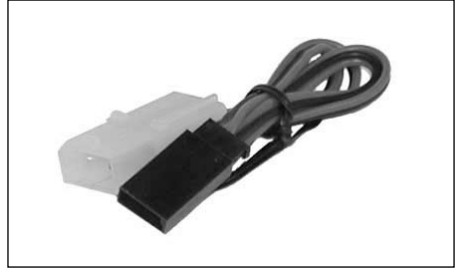
Features

- 4-in-1, 16-bit microchip CPU controller.
- Built-in system temperature protection with additional battery temperature sensor for added safety.
- Convenient AC or DC input low voltage 10-11V option.
- Integrated, internal balancer for Li-Po and Li-Fe balance charging with no need for an externally attached balancer.
- Adjustable negative delta* voltage for precise peak charging.
- Cycling function
- Automatic accidental reverse input and output protection.
- Memory functions for charging and discharging parameters.
- Durable, compact and portable design with an aluminum casing and plastic end caps.
- Large 2-line, 16-character dot matrix LCD display.
- Removable AC and DC plug sockets.
- Universal banana-type output terminal.
- 10-tone selectable beep function with volume control.
- Built-in cooling fan.
- Discharge and cycling functions provide battery conditioning and useful data of the battery's capacity, average voltage and cell balancing.

* Delta voltage: When charging a battery, the voltage will continue to increase until the battery reaches its peak voltage. After it reaches this point, the voltage will begin to drop. This voltage drop is referred to as the "Delta Voltage." The sensitivity of this voltage drop can be adjusted for precise charging of your battery pack.

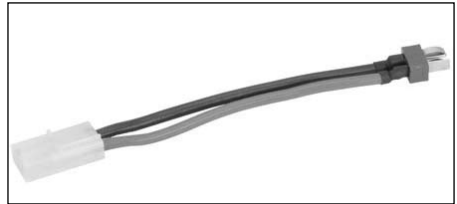
Available Charge Cords and Adapters

The Passport Ultra includes the Deans Ultra style charge cord (DYN5006). Dynamite offers charge cords and adapters for all your battery charging requirements. See the list below to order additional connectors.



DYN4003

Receiver Pack Charger Adapter



DYN5000

Charge Adapter Tamiya Female: Deans Male



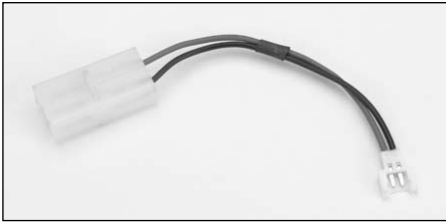
DYN5001

Charge Adapter Tamiya Female: EC3 Female

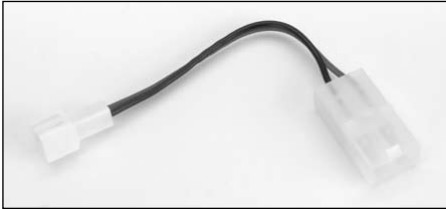


DYN5002

Charge Adapter Tamiya Female: EC5 Female



DYN5003
Charge Adapt Tamiya Female: Losi Micro



DYN5004
Charge Adapt Tamiya Female to Losi Mini



DYN5005
Charge Adapt Banana to Tamiya Male



DYN5006
Charge Adapter Banana: Deans Ultra Male



DYN5007
Charge Adapter Banana: EC3 Female



DYN5008
Charge Adapter Banana: EC5 Female



DYN5010
12V DC Power Adapter with Cig Plug

Available Balance Adapters

You may also purchase adapters to adapt Thunder Power and Losi balance plugs to fit the Dynamite balance charge sockets.

DYN5012
Adapter Cables-THP BAT-DYN
Balancer, 2-6S

DYN5011
Adapter Cables-LOS BAT-DYN
Balancer, 2-6S

Input Power Connection

NOTE: Do not connect both AC and DC input power types to the charger simultaneously or damage to the charger may occur.

AC Voltage

Connect the 100–240 AC input power cord to the appropriate power receptacle.

DC Voltage

Connect the red alligator clip to the positive (+) terminal of a 11–18-volt DC power supply or battery. Connect the black alligator clip to the negative (-) terminal.

Charge Output Battery Connection

Choose the appropriate charge cord to match your battery pack and connect the positive (red) lead to the positive (+) output terminal. Connect the negative (black) lead to the negative (-) output terminal.

Charge Mode

- A. Set the current rate before charging. Adjustable charge rates from 0.1–8A. (Current rates can be adjusted by pressing the START button during charging.)
- B. See the table below to select the charge rate for Ni-Cd and Ni-MH battery packs. We recommend that you charge 1800mAh receiver packs at 1.8A(1C).

Battery Capacity	Charge Rate	Charge Time
600mAh	0.6A	60–80 Min.
1300mAh	1A	78–94 Min.
1800mAh	2A	54–65 Min.
3300mAh	5A	40–48 Min.

- C. It is normal for the current rate to drop to 0 then resume during Ni-MH and Ni-Cd charging.
- D. A completely discharged Li-Po or Li-Fe battery pack can be fully recharged in approximately 2–3 hours with charge rate at 1C.

- E. The built-in cooling fan will automatically engage during charge and discharge functions.
- F. Press the START button to return to the previous menu after charging.
- G. Press and hold the START button for 3 seconds to restart the charging process. This same process is used to start the discharge and cycling modes.

Discharge Mode

- A. The discharge rate can be adjusted from 0.1–5A. Reset the current rate by pressing the START button during discharge.
- B. When discharging Ni-MH and Ni-Cd batteries, the minimum discharge voltage should not be set lower than .8 volts/cell (e.g. the cutoff voltage for a 6-cell pack is 4.8V (.8*6)).

Discharge/Charge Cycle Mode

- A. Set three parameters: discharge current, discharge voltage and charge current.
- B. Press and hold the START button for 3 seconds to start.


NOTE: This mode is only suitable for Ni-Cd or Ni-MH battery, and could be set to 10 cycles (max).

Operating Instructions

- A. Press the MODE button to change from the main menu to the setting menu. Rotating the dial in the main menu lists all options available for the battery chemistry shown on the screen. Rotating the dial while in the settings menu lists menus that allow changes to the chargers functionality unrelated to the battery type.
- B. Press the START button to change the selected menu.
- C. Press START to confirm the option. Press STOP to clear settings.
- D. Press and hold the START button for 3 seconds to charge/discharge.

User Setup Menu

NOTE: Screen samples are shown in the order in which they appear when the dial is rotated in a clockwise direction.



User Setup Mode
Type NiMH Batt

1. Select Battery Type

Press the MODE button until the User Setup mode appears. Scroll clockwise to view the following screens. Press the START dial to change values on each screen while flashing. Press the START button to accept settings.



Li-Ion/Poly
V-Type 3.7V

2. Select Li-Ion/Poly Voltage


Use this screen to select the Li-Ion/Poly charge cutoff voltage.



NiMH Sensitivity
D.Peak 3mV/Cell

3. Adjust Ni-MH Charge Sensitivity

The Ni-MH Sensitivity option allows the adjustment of the Ni-MH negative delta voltage cutoff/cell.



NiCd Sensitivity
D.Peak 5mV/Cell

4. Adjust Ni-Cd Charge Sensitivity


The Ni-Cd Sensitivity option allows adjustment of the Ni-Cd negative delta voltage cutoff/cell.



Batt Temp Cutoff
ON 50°C


5. Adjust Max Charge Temperature and change Celsius to Fahrenheit

As a safety feature, place temperature probe securely onto battery pack to allow temperature override.



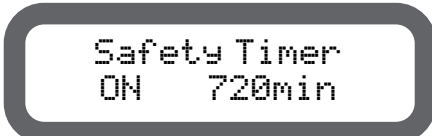
Cycle Charge
Delay 1min

6. Adjust Charge/Discharge Delay Time




NiMH/Nicd/Pb
Trickle 100mA

7. Adjust Trickle Charge Current



Safety Timer
ON 720min

8. Adjust Max Charge Time



Capacity Cut Off
ON 9900 mAh

9. Adjust Max Charge Capacity

Key Beep ON
Music 01

10. a) Set Operating Beep Sound (On/Off) or
b) Select Music

Volume Adjust
100%

11. Adjust Volume

Input Volt Low
Cut Off 11.0V

12. Set Detecting Input Low Voltage

Back Light
Brightness 100%

13. Adjust Background Brightness

Load Default
YES/NO ?

14. To reset the charger to Initial Setting

Ni-MH and Ni-Cd Charge Mode

NiMH Charge
4.0A

Message during Ni-MH Charging

While in the User Setup mode, press the dial to change to Ni-MH battery charging. Press the dial again to confirm changes.

NiMH 000 : 01 : 0001
Chg 0.10A 7.62V

See the status by turning switch to left/right.

Press the MODE button to adjust the charge current. Press the START dial and adjust the current rate to the appropriate rating.

Press and hold the dial for 3 seconds to activate charge. The charge status and other settings can be monitored by rotating the dial during fast charge.

NiMH Sensitivity
D.Peak 3mV/Cell

1. Ni-MH Charge Sensitivity

To reset to factory recommended sensitivity, see Load Default and select "Yes."

Peak Voltage
9.07V

2. Battery Pack Peak Voltage

Input 13.01V
System Temp 36°C

3. Input Voltage/System Temperature

Bat Temp
29°C

4. Battery Temperature

Batt Temp Cutoff
ON 50°C

5. Max Charge Temperature

Safety Timer
ON 720min

6. Max Charge Time

Capacity Cut Off
ON 9900 mAh

7. Max Charge Capacity

Cycle Charge
Delay 1min

8. Charge/Discharge Delay Time

Message after Ni-MH Charging

END 058 : 08 : 3188
Chg 0.01A 8.08V

See the status by turning switch to left/right.

Peak Voltage
9.07V

1. Battery Peak Voltage

Bat Temp
29°C

2. Battery Temperature

Ni-MH Discharge Mode

NiMH Discharge
1.0A 6.0V

Notes Regarding Discharging

Discharging/cycling Ni-MH and Ni-Cd packs can increase capacity and rejuvenate neglected batteries. Discharge capacity and average pack voltage will allow you to compare batteries to choose the pack with the best performance to maximize run time and power.

Press the mode button once Ni-MH is selected and rotate the dial until the Discharging screen appears. Press the dial to select discharge current rate and cutoff voltage.

Message during Ni-MH Discharging

Press and hold the START button for 3 seconds to begin discharging.

NOTE: Discharge voltage rates are per pack, not per cell. Do not choose a discharge cutoff voltage below .8V/cell or damage to the battery may occur.

```
NiMH 000 : 01 : 0001
DIS 0.10A 7.62V
```

See the status by turning switch to left/right.

```
Input      13.01V
System Temp 36°C
```

1. Input Voltage/System Temperature

```
Bat Temp           29°C
```

2. Battery Temperature

```
Batt Temp Cutoff
ON           50°C
```

3. Max Discharge Temperature

Ni-MH Discharge/Charge Cycle Mode

```
NiMH Dh9>Ch9 01
1.0A/6.0V ->4.0A
```

The screen above is displayed when the charger is set to charge after the discharge period.

```
NiMH Ch9>Dh9 01
4.0A->1.0A/6.0V
```

The above screen is displayed when the charger is set to discharge after charging.

Message during Ni-MH Discharging/Charging Cycle

```
NiMH 000 : 01 : 0001
D>C 0.10A 7.62V
```

The screen above shows discharge then charge status.

```
NiMH 000 : 01 : 0001
C>D 0.10A 7.84V
```

This screen is displayed during the charge then discharge mode.

Li-Ion, Li-Po and Li-Fe Charge Mode

Warning:

Li-Po batteries can cause serious injury and fire if charged inappropriately. Always confirm the battery voltage and series cell count is correct and never charge higher than a 1C rate. (1C = charger current equals the battery capacity. Example: A 1000mAh battery's charge current limit is 1 amp. Example B 3300mAh battery's charge current is 3.3A)



Li-Poly Charge
4.0A 14.8V(4S)

Message during Li-Ion/Poly Charging

Is 14.8V(4S) ?
No=Stop/Yes=Ente

Confirm if the number of selected battery cell is correct. To select the correct voltage, use the following formula to calculate the voltage of your pack: 3.7V/cell (e.g. 4S = 4*3.7=14.8V). Be careful to confirm the correct voltage and cell count. Failure to do so may result in damage or fire.

- A. D>C means that the charger will discharge first, then charge.
- B. C>D means the charger will charge first, then discharge.
- C. D/I flashing means the charger is in the discharge process and will charge when the discharge mode is complete.
- D. C/I flashing means the charger is in the charging process and will discharge when complete.
- E. D/I alternate flashing designates that the charger is in the cool down time period after discharging.
- F. C/I alternate flashing designates that the charger is in the cool down time period after charging.

Charge and discharge capacities in mAh will be displayed after the cycle is complete.

Select Voltage
16.8V (45)

1. Selected Charge Voltage

Input 13.01V
System Temp 36°C

2. Input Voltage/System Temperature

Safety Timer
ON 720min

3. Max Charge Time

Capacity Cut Off
ON 9900 mAh

4. Max Charge Capacity

4.12 4.13 4.11
4.12 0.00 0.00

5. Battery Voltage Per Cell

High 4.131V (S2)
Low 4.119V (S3)

6. This screen shows which battery has the High/Low Voltage

NOTE: The second battery has the maximum voltage.

The third battery has the minimum voltage.

Unbalanced Volt
12mV

7. Unbalanced Voltage

The voltage difference between the high voltage and low voltage cells in the battery pack.

Message after Li-Ion/Poly Charging

4.12 4.13 4.11
4.12 0.00 0.00

1. Battery Voltage Per Cell

High 4.131V (S2)
Low 4.119V (S3)

2. Which Battery has the High/Low Voltage

The second battery has the High voltage.

The third battery has the Low voltage.

Unbalanced Volt
12mV

3. Unbalanced Voltage

The voltage difference between the high voltage and low voltage cells in the pack.

Li-Ion/Poly Charge Warning Message



ERR Batt
Over Voltage

1. Battery Over Voltage



WARN
Volt Select Err

2. Set Wrong Battery Voltage



ERR Batt
Low Voltage

3. Battery Low Voltage

Li-Ion/Poly Balance Charge Mode



Li-Poly Bal. Chg
4.0A 14.8V(4S)


Message during Li-Ion/Poly Balance Charging



Li4S 0000:01 0001
Bal 0.10A 15.18V

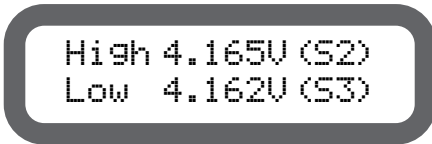
See the status by turning switch to left/right (same as Li-Ion/Poly Charge.)

Message after Li-Ion/Poly Balance Charging



4.16 4.16 4.16
4.16 0.00 0.00

1. Battery Voltage Per Cell



High 4.165V (S2)
Low 4.162V (S3)

2. The above screen shows which battery has the High/Low voltage

NOTE: The second battery has the high voltage.
The third battery has the low voltage



Unbalanced Volt
3mV

3. Unbalance Voltage

The voltage difference between the high voltage and low voltage cells in the battery pack.

Li-Ion/Poly Balance Charge Warning Message



WARN
Volt Select Err

1. Set Wrong Battery Voltage



Balancer
No Connect

2. Balance Leads not Connected



Unbalance Volt
Over 30mV

3. Shows that the unbalanced voltage is above the 10mV limit at 30mV. The charge will automatically switch to a 100mA charge rate until the battery cell voltages are balanced to less than 10mV. The charger will begin normal charging after the cells are balanced.




Cell Number 1
Volt Over 4.26V

4. Battery voltage is over 4.26V per cell.

See previous step. The charger will drop to a low current rate until the cells are balanced within specifications.

Li-Ion/Poly Discharge Mode




Li-Poly Dischg
1.00A 12.0V(4S)

Message during Li-Ion/Poly Discharging



Li4S 0000:01 0001
DIS 1.00A 15.18V

See the status by turning the dial during discharge.



Select Voltage
12.0V (4S)

1. Selected Discharge Voltage Cutoff

Discharge voltage is pre-set to 3.00V/cell and the corresponding S count will be displayed along side the voltage cutoff being selected. Selecting the correct S count will automatically set the appropriate voltage cutoff.



Input 13.01V
System Temp 36°C

2. DC Input Voltage/System Temperature

Pb Charge Mode

Pb Charge
4.0A 12.0V

Suggested charge rate for PB charging is 0.3C
(i.e. .3 x 5Ah=1.5A).

Message during Pb Charging

Pb 000:01 0001
Chg 0.58A 14.21V

See the status by turning dial during the charge process.

Select Voltage
14.7V

1. Selected Fast Charge Cutoff Voltage.

The cutoff value is predetermined when selecting the 2V, 6V, or 12V setting before charging and is not adjustable once charging has begun.

Input 13.01V
System Temp 36°C

2. Input Voltage/System Temperature

Safety Timer
ON 720min

3. Max Charge Time

Capacity Cut Off
ON 9900 mAh

4. Max Charge Capacity

Pb Discharge Mode

Pb Discharge
1.0A 10.8V

Corresponding discharge voltage for Pb battery packs:

1.8V (2V), 5.4V (6.0V), 10.8V (12V).

Message during Pb Discharging

Pb 000:01 0001
DIS 1.00A 11.96V

See the status by turning the dial during the charging process.

Select Voltage
10.8V

1. Selected Discharge Voltage Cutoff

The discharge cutoff voltage value is predetermined when selecting 1.8V, 5.4V, or 10.8V setting for the corresponding 2V, 6V, or 12V battery being discharged and is not selectable during discharge.

Input 13.01V
System Temp 36°C

2. Input Voltage/System Temperature

Warning Information

1. If the battery connection is lost during operation, the OPEN/STOP error will flash. Reconnect battery or replace.
2. Low Input Volt: Power input is below minimum requirements. Increase source power voltage.
3. Reverse Polarity: Battery polarity reversed
4. Waiting Overheating: Charger temperature overheated. Lower charge/discharge current rates and be sure the cooling fan is unobstructed.
5. After discharging, Ni-MH/END will flash alternately.
6. When the charge reaches the negative delta voltage, the Ni-MH/FULL is displayed.
7. When the charge reaches the Timed setting limit, the Ni-MH/TIME is displayed.
8. When the charge reaches the capacity setting limit, the Ni-MH/CAPA is displayed, Ni-MH/CAPA will flash alternately.
9. When the charge reaches the Temperature setting limit, the Ni-MH/TEMP is displayed.
10. Li-Po/Li-Fe Battery Low Voltage, LOW/VOL will flash alternately.
11. Cooling fan is not working, FAN/STOP will flash alternately.

System Err
Return to Repair

12. Charger Breakdown

Current Err
Return to Repair

13. Charger Breakdown

Safety Precautions

1. Never leave the charger unattended during charging.
2. Do not allow children to charge battery packs unless supervised by a responsible adult.
3. Use only rechargeable batteries. This charger cannot charge batteries such as “heavy duty”, “Alkaline battery”, or “Mercury battery.”
4. During use, please keep in a well ventilated area and never put beside inflammables.
5. This charger will be damaged if immersed in water or subjected to high level moisture. Do not use this charger in the rain or when your hand is wet to avoid electric shock or accident.
6. There is a fan inside this charger. To avoid accidents do not allow any foreign body to enter the fan.
7. The positive red lead (+) and negative black lead (-) terminals of the battery should be connected to the charger terminals correctly. Do not reverse the positive and negative terminals. Wrong connection will damage the battery and may cause damage to the charger.
8. Before you start to charge, please ensure you select correct charger settings. Double check if the battery count and type match your charger settings. Never set Li-Po and Pb batteries at another mode, otherwise will cause the batteries to catch fire!

Warranty Period

Exclusive Warranty- Horizon Hobby, Inc., (Horizon) warrants that the Products purchased (the “Product”) will be free from defects in materials and workmanship for a period of 5 years from the date of purchase by the Purchaser.

Limited Warranty

(a) This warranty is limited to the original Purchaser (“Purchaser”) and is not transferable. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. This warranty covers only those Products purchased from an authorized Horizon dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for warranty claims. Further, Horizon reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

(b) Limitations- HORIZON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCT. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER’S INTENDED USE.

(c) Purchaser Remedy- Horizon’s sole obligation hereunder shall be that Horizon will, at its option, (i) repair or (ii) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Purchaser’s exclusive remedies. Horizon reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or attempted repair by anyone other than Horizon. Return of any goods by Purchaser must be approved in writing by Horizon before shipment.

Damage Limits

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

Law: These Terms are governed by Illinois law (without regard to conflict of law principals).

Safety Precautions

This is a sophisticated hobby Product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the Product or other property. This Product is not intended for use by children without direct adult supervision. The Product manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or injury.

Questions, Assistance, and Repairs

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly, setup or use of the Product has been started, you must contact Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please direct your email to productsupport@horizonhobby.com, or call 877.504.0233 toll free to speak to a service technician.

Inspection or Repairs

If this Product needs to be inspected or repaired, please call for a Return Merchandise Authorization (RMA). Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. A Service Repair Request is available at www.horizonhobby.com on the "Support" tab. If you do not have internet access, please include a letter with your complete name, street address, email address and phone number where you can be reached during business days, your RMA number, a list of the included items, method of payment for any non-warranty expenses and a brief summary of the problem. Your original sales receipt must also be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Warranty Inspection and Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be repaired or replaced free of charge. Repair or replacement decisions are at the sole discretion of Horizon Hobby.

Non-Warranty Repairs

Should your repair not be covered by warranty the repair will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for repair you are agreeing to payment of the repair without notification. Repair estimates are available upon request. You must include this request with your repair. Non-warranty repair estimates will be billed a minimum of 1/2 hour of labor. In addition you will be billed for return freight. Please advise us of your preferred method of payment. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. If you choose to pay by credit card, please include your credit card number and expiration date. Any repair left unpaid or unclaimed after 90 days will be considered abandoned and will be disposed of accordingly. Please note: non-warranty repair is only available on electronics and model engines.

United States:

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Service Center
4105 Fieldstone Road
Champaign, Illinois 61822
USA

All other Products requiring warranty inspection or repair should be shipped to the following address:

Horizon Product Support
4105 Fieldstone Road
Champaign, Illinois 61822
USA

Please call 877-504-0233 or e-mail us at productsupport@horizonhobby.com with any questions or concerns regarding this product or warranty.

United Kingdom:

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Hobby UK
Units 1-4 Ployters Rd
Staple Tye
Harlow, Essex
CM18 7NS
United Kingdom

Please call +44 (0) 1279 641 097 or e-mail us at sales@horizonhobby.co.uk with any questions or concerns regarding this product or warranty.

Germany:

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Technischer Service
Hamburger Strasse 10
25335 Elmshorn
Germany

Please call +49 4121 46199 66 or e-mail us at service@horizonhobby.de with any questions or concerns regarding this product or warranty.

CE Compliance Information for the European Union

Instructions for Disposal of WEEE by Users in the European Union

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.



Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2009052101

Product(s): DYN Passport Ultra AC/DC
Charger/Cycler

Item Number(s): DYN4064

Equipment class: I

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC:

EN55022	Radio disturbance characteristics
EN 61000-3-2	Limits for harmonic current emissions
EN 61000-3-3	Conducted Emissions, Voltage Flicker
EN55024	Immunity characteristics
EN 60950	Safety

Signed for and on behalf of:

Horizon Hobby, Inc.

Champaign, IL USA

May 21, 2009

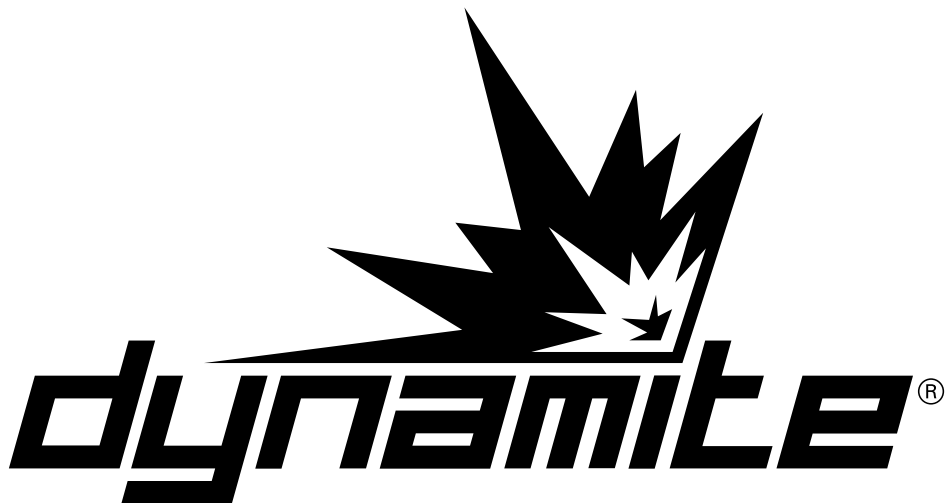
Steven A. Hall

A handwritten signature in black ink that reads "Steven A. Hall".

Vice President

International Operations and Risk Management

Horizon Hobby, Inc.



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