

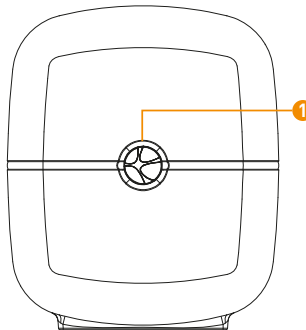
**DIGITECH ECO**  
**1500/2000 VA**  
UNINTERRUPTIBLE POWER SUPPLY  
**UPS**

**USER MANUAL**



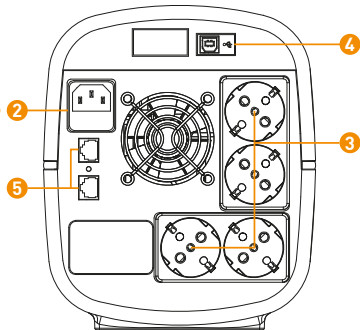
# INTRODUCTION - DIGITECH ECO 1500/2000 VA

Front Panel

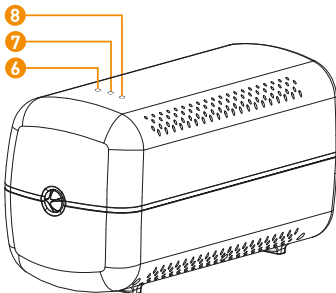


1. On/Off Button

Back Panel



2. AC Input
3. Output Receptacles
4. USB Communication Port
5. Fax Modem Protection



6. AC Mode:  
**Green Lighting**
7. Battery Mode:  
**Orange Flashing**
8. Fault:  
**Red Lighting**

This UPS is specially designed for Personal Computers with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with boost and buck AVR to stabilize input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supplied. The main features of UPS are listed below:

- Compact size, light weight.
- Microprocessor control guarantees high reliability.
- Equipped with Boost and Buck AVR.
- Green Power Function for energy saving.
- DC Start Function. (Cold Start)
- Provides AC Overload protection.



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## Inspection

Remove the UPS from its packaging and inspect it for damage that may have occurred during shipping. If any damage is discovered, repack the unit and return it to the place of purchase.



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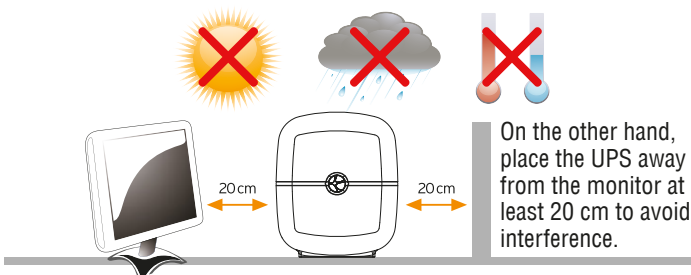
## Charging

This unit is shipped from the factory with its internal battery fully charged, however, some charge may be lost during shipping and the battery should be recharged prior to use. Turn on the UPS, Plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged in for at least 6 hours with no load (no electrical devices such as computers, monitors, etc.) connected. Green LED flashes while UPS charging.



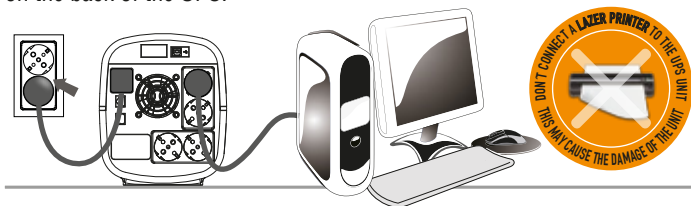
## Placement

Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high.



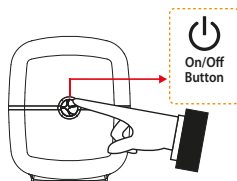
## Connection

Plug the UPS into a 2-pole, 3-wire grounded receptacle. Then connect one computer-related device into each of the power receptacles supplied on the back of the UPS.



## Turn On/Off

- To turn on the UPS unit, press the power lightly.
- To turn off the UPS unit, press the power switch again.



## DC Start

All Series are equipped with DC Start (Cold Start). To start the UPS when AC utility power is not available, simply press the smart button for minimum 1 second.

## USB Communication Port and Software

Digitech Eco comes with an USB cable, you can connect your UPS to your PC via the USB port. When you load the software from our website (<http://www.tuncmatik.com/?page=/tec/download.html>) to your computer (Windows and Linux compatible), you can monitor your UPS from your monitor or you can program your UPS on how to function in case of a power failure. Digitech Eco is a smart UPS and can be controlled through your computer or it can make a orderly shutdown by saving all your application data, closing your software and shutting down your operating system and finally shutting down your computer.

## TECHNICAL SPECIFICATIONS

CAPACITY	1500 VA 900 W	2000 VA 1200 W
<b>INPUT</b>		
Voltage	220/230/240 VAC	
Voltage range	162-265 VAC	
<b>OUTPUT</b>		
Voltage range	± 10%	
Transfer time	2-6 ms, 10 ms max	
Waveform	Simulated sine wave	
<b>BATTERY</b>		
Type & Number	2 x 12V 9Ah	
Charging time	4-6 hours recover to 90% capacity	
<b>DIMENSIONS AND WEIGHT</b>		
Dimensions D x W x H (mm)	392 x 177 x 211	392 x 177 x 211
Net weight (kg)	10,7	11,45
<b>ENVIRONMENT</b>		
Humidity	0-40°C 0-90% (non-condensing)	
Noise level	<40 dB	

## TROUBLE SHOOTING

Use the table below to solve minor problems.

Symptom	Possible Cause	Remedy
No LED display on the front panel.	1. Battery weak.	1. Charge battery up to 8 hours.
	2. Battery defect.	2. Replace with the same type of battery.
	3. Power switch is not pressed.	3. Press the power switch again.
Alarm buzzer beeps continuously when AC supply is normal.	Overload of the UPS.	Verify that the load matches the UPS capability specified in the specs.
When power failure, back-up time is shorten.	1. Overload of the UPS.	1. Remove some non-critical load.
	2. Battery voltage is too low.	2. Charge battery 8 hours or more.
	3. Battery defect due to high temperature operation environment, or improper operation to battery.	3. Replace with the same type of battery.
Mains normal but Yellow LED is flashing.	Power cord is loose.	Reconnect the power cord properly.

If any abnormal situations occur that are not listed above, please call service people immediately.

## SAFETY - WARNING



**This UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user serviceable parts. Only factory service personnel may perform repairs.**

Internal battery voltage is 12Vdc. Sealed, lead-acid, 6 cells battery. Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.

**In the event of an emergency, press the Smart On/Off Button for 4 seconds and disconnect the power cord from the AC power supply to properly disable the UPS.**

Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.

**This unit intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants). Avoid installing the UPS in locations where there is standing or running water, or excessive humidity.**

Do not plug the UPS input into its own output.

**Do not attach a power strip or surge suppressor to the UPS.**

Do not attach to non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, vacuum cleaners, laser printers or washing machine.

**To reduce the risk of overheating the UPS, do not cover the UPS cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.**

Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

**Do not dispose of batteries in a fire as they may explode.**

Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.

**Attention, hazardous through electric shock. Also with disconnection of this unit from the mains, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected in the plus and minus pole of the battery when maintenance or service work inside the UPS is necessary.**

Servicing of batteries should be performed by authorized personnel. Keep unauthorized personnel away from batteries.

**A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:**

- 1) Remove watches, rings, or other metal objects from the hands.**
- 2) Use tools with insulated handles.**
- 3) Wear rubber gloves and boots.**
- 4) Do not lay tools or metal parts on top of batteries.**
- 5) Disconnect charging source prior to connecting or disconnecting batteries terminals.**

When replacing batteries, replace with the same number and type of sealed lead-acid battery. The maximum ambient temperature rating is 40°C.

**This pluggable type A equipment with battery already installed by the supplier is operator installable and may be operated by laymen.**

During the installation of this equipment it should be assured that the sum of the leakage currents of the UPS and the connected loads does not exceed 3.5 mA.

**The mains socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible.**

Üretici & İthalatçı / Manufacturer & Importer:

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