

# GENSSI™

## Specifications and Operations of MST-SOS1 Handheld Emergency Power Supply & Engine Starter



# **1.Products Introduction**

## **1.1 Notes:**

**This manual is for the MST-SOS1 operations & specification made by Genssi USA.**

**Please read this manual carefully before operating the MST-SOS1 to prevent damage to the product and devices connected.**

## **1.2 Function and usage**

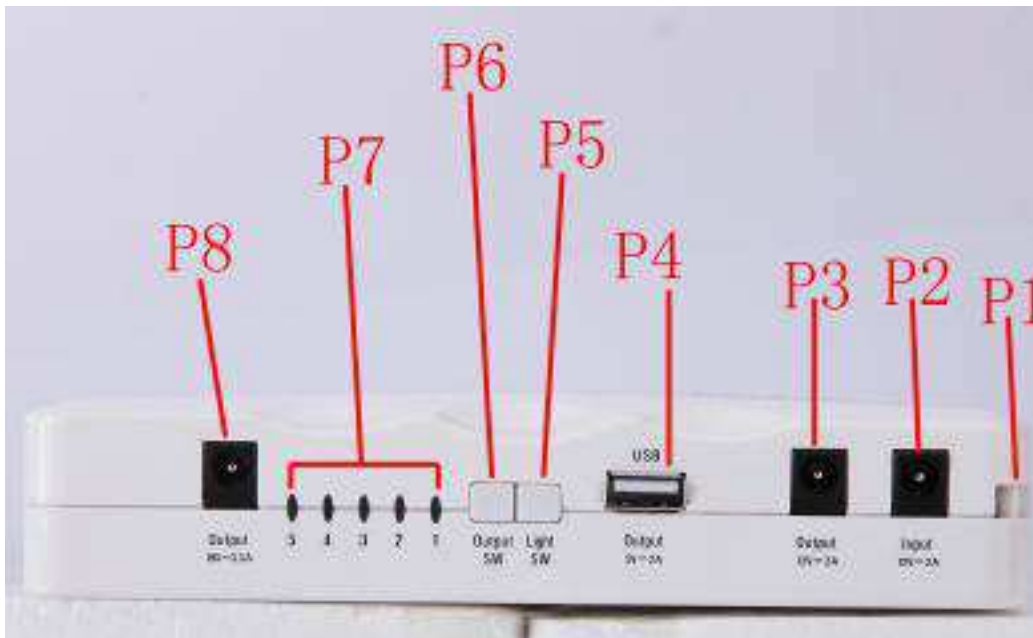
**The MST-SOS1 is a multifunction advanced lithium ion polymer battery capable of charging and jump starting. The MST-SOS1 is designed to operate as a charging station for your electronic devices such as laptops, cell phones and other portable battery powered products. Further, one of its most useful features its ability to start most types of vehicles including ATV, Motorcycle and Cars in seconds. This product is small enough to fit in a large pocket, but powerful enough to start a V6 vehicle in seconds. Not only is the MST-SOS1 compact at 6.5 inches wide, it also weights only 2.5 lbs!**

**Imagine never having to worry about a drained battery when you're on the go. Small enough to fit in your glove box, the MST-SOS1 is the most useful safety product you can own.**

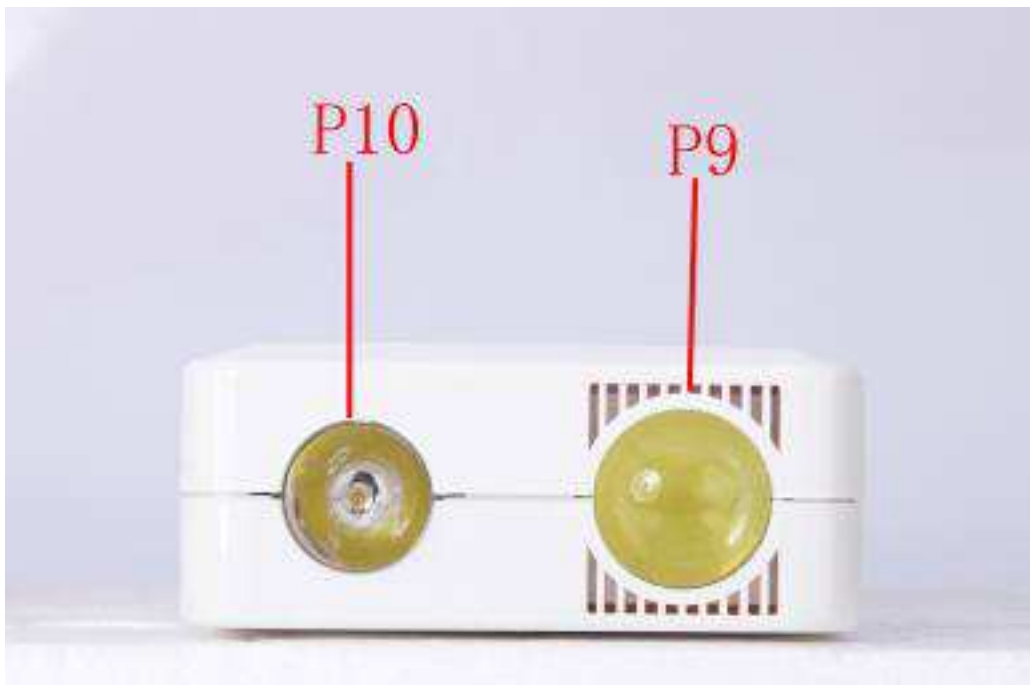
**The MST-SOS1 also features a multifunction LED flashlights built in.**

**Designed to work with common mobile phones, notebooks, and other 5V, 12V and 19V electronic products.**

## 1.3 Introduction



(PIC 1)







(PIC 2)












### **( PIC 3 )**




- 1. Hand rope attachment**
- 2. Input: 2A, 12V power Input for internal charging.**
- 3. Output 12V, 2 A for 12V electrical charging.**
- 4. Output 5V, 2A, for 5V electrical charging interface (mainly for the most mobile phone charge).**
- 5. Light SW, lighting and warning distress lamp switch.**
- 6. Output SW, power Output switch. Turns on the devices output plugs**
- 7. Battery indicator lights, 5 lights is fully charge, one light suggests the need for charging.**
- 8. Output 19.5 V - 3.5A. Output for notebook charging interface.**
- 9. Diffused LED flashlight.**
- 10. Spot LED flashlight.**
- 11. Vehicle jump start output interface**


## 1.4 Parts illustration

picture	name	illustrate
	1. MST-SOS1	
	2. AC-DC Adapter	Charger 110V or 220V AC outlet
	3. Mobile phone main charger	Connection cable used for mobile phones
	4. SONY Ericsson mobile phone joint	Connection for mobile phones and charging

	<b>5. MINI USB joint</b>	<b>Connection for mobile phones and charging</b>
	<b>6. Samsung mobile phone charge joint</b>	<b>Connection for mobile phones and charging</b>
	<b>7. Apple mobile phone charge joint</b>	<b>Connection for mobile phones and charging</b>
	<b>8. Mini USB joint</b>	<b>Connection for mobile phones and charging</b>
	<b>9. NOKIA mobile phone charge joint</b>	<b>Connection for mobile phones and charging</b>

	<p><b>10. Laptop charging cable</b></p>	<p><b>Connection cable used for laptops</b></p>
	<p><b>11. HP dell, computer charge plug</b></p>	<p><b>Connection Tip for Laptop</b></p>
	<p><b>12. Lenovo Thinkpad charging plug</b></p>	<p><b>Connection Tip for Laptop</b></p>
	<p><b>Lenovo computer charging plug</b></p>	<p><b>Connection Tip for Laptop</b></p>

	<p><b>Samsung computer charging plug</b></p>	<p><b>Connection Tip for Laptop</b></p>
		<p><b>Connection Tip for Laptop</b></p>
	<p><b>For Vehicles, ATV, Motorcycle</b></p>	<p><b>Battery Jump Start Connection</b></p>

	<p><b>Vehicles</b></p>	<p><b>Cigar Adapter for Charging</b></p>	
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## 2. Operating instructions

### 1. Charging MST-SOS1

You can charge using two methods.

**Method 1:** Use 110V/220V wall outlet plug provided. Connect to the Input of the MST-SOS1.

**Method 2:** Use the cigar adapter cable. Insert end into your cigar plug in your vehicle, insert other end into the Input of the MST-SOS1.

When charging, the battery indicator will flash until fully charged.

### 2. Vehicle Jump Starting

Connect the provided cables to the output of the MST-SOS1 labeled for jump start.



**(PIC 4)**

Make sure you do not reverse polarity as the device can be damaged and cause possible harm. (- Negative (or Ground), + Positive). Connect the

**ground (black) wire first, then the red positive wire to your battery.**



### **(PIC 5)**

**Making sure your headlights are off, stereo off, then attempted to start the vehicle for no more than 10 seconds. The MST-SOS1 must be fully charged for vehicle starting. After your vehicle is started, please put your MST-SOS1 for charging. The MST-SOS1 provides a burst of high current that can drain its battery within seconds. Please do not keep the MST-SOS1 connected to your battery for more than 10 seconds. Its recommended you have a helper start the vehicle while you monitor the connection to the battery.**

### **3. Mobile phone charge**

**First connect the provided USB cable to your MST-SOS1 (standard output 5V as shown in PIC 6). Choose the correct tip for your phone and insert the wire to the tip and then into your phone. Press the output SW button to begin charging. Your MST-SOS1 can charge 4-5 regular mobile phones with a full charge.**



## (PIC 6)

### 4. Notebook Charging

1. Notebook charging: First turn on the laptop (such as Lenovo pc). Then use the appropriate tip and laptop charging cable provided.

Connect the charging cable to the Output plug (19V - 3.5A) as shown in the figure below. Please make sure you verify your laptops voltage requirements. Not all laptops use this voltage, check your laptops power supply for voltage requirement.



## (PIC 7)

Press output SW button to begin charging operation. Charging times can vary depending on your laptop and battery type. Generally full charge is possible between 2-3 hours.

### 5. Lighting and Warning Distress flashlight

The MST-SOS1 is equipped with multifunction LED flash light that can be turned on with the Light SW button. Pressing the light switch multiple times will change the light into a different patterns including flash pattern.

### 3.2.2 Storage:

the MST-SOS1 should be stored in cool and dry environment. Long-term storage must be away from humidity and corrosive gas environments. Charge every 3 months to maintain battery life.

### 3.2.3 Physical Handling

The MST-SOS1 is a sensitive electronic device. Do not drop or bump on surfaces during use. Keep away from excessive vibration. Do no reverse polarity the +/- terminals if used for vehicle jump start. Do not store or dispose in fire.

	<b>Specifications</b>	
Battery capacity	4000mAh	
Charging voltage	12V-16V	
Charging current	Standard charging: 0.5C (2000mA)	0-40 Deg C
Charging time	2.0-3.0 hours	
Operating Temperature	-20~40 Deg C	
Storage Temperature	-20~3 Deg C	
Weight	Total Package 2lbs 12oz	
Size	6.5 x 3 x 1.5 inches	