



**BSTPL-17A AIS-140 COMPLIED  
GPS TRACKER**

BSTPL-17A is an advanced AVL device complying to newly introduced intelligent transport system standards, AIS140. BSTPL-17A Designed for complying to standards like IS 9000, ISO 16750, AIS 004, IEC 60529, IS 2465, ISO 6722 and ISO 7637. In addition to fulfilling the functionality requirements as required by AIS140, the device meets interface requirements like multiple IO ports, SOS (Emergency Button), RS-232 and CAN interface.

Considering the mandate of government of India to have vehicle tracking device with one or more emergency buttons in all existing and new public service vehicles complying to AIS140 standard, BSTPL-17A is designed keeping in view the Indian operating conditions. Software functionalities are build to integrate the device with the governments command centre and send emergency alerts as mandated in the regulation.

BSTPL-17A is equipped with advance 32 Bit Cortex M3 Microcontroller and Highly sensitive GPS Receiver and GSM Transceiver with Internal Antennas, which delivers accurate real time data in toughest environmental and operating conditions. Compact in size, BSTPL-17A enables easy handling and easy installation.

BSTPL-17A supports the requirement of sending simultaneous data to 2 servers at the rate of minimum of 5 seconds interval. Supporting four different types of protocols, device has provision for generating alerts for Emergency Button, Box Tamper, Ignition On/Off, Vehicle Battery Connect / Disconnect, Internal Battery Low, Harsh Breaking, Harsh Acceleration and Harsh Maneuver

FEATURES:	TECHNICAL SPECIFICATIONS:	
<ul style="list-style-type: none"> <li>● Real Time Tracking</li> <li>● 32 Bit, Cortex M3 Microcontroller</li> <li>● 4 MB External Data Flash</li> <li>● Wide Operating Voltage (7 - 40V DC)</li> <li>● Over Voltage and Reverse Connection Protection</li> <li>● Over The Air (OTA) Device Configuration</li> <li>● Over The Air Firmware Update (FOTA)</li> <li>● Dual IP Supported</li> <li>● Data sending to 2 IP's simultaneously</li> <li>● Supports TCP, UDP and HTTP Communications</li> <li>● Accelerometer &amp; Gyroscope</li> <li>● Four Digital Inputs</li> <li>● Two Analog Inputs</li> <li>● Two Digital Outputs</li> <li>● One SOS Switch Interface</li> <li>● One each RS-232 and CAN Interface</li> <li>● ABS FR Enclosure, Complying to IP65</li> <li>● Configurable Data Sending Intervals</li> <li>● Sleep Mode for extended battery back up</li> <li>● Box tamper alert</li> <li>● Supports AGPS</li> <li>● Supports ESIM with profile switching</li> <li>● Details of Network operator name, Serving Cell ID and Neighbouring Cell ID info.</li> <li>● Vehicle Battery &amp; Internal Battery Voltages info.</li> <li>● GPRS to SMS Fall Back</li> <li>● Internal GSM and GPS Antennas</li> </ul>	Power Requirements	7 - 40V DC 3.7V / 700 mA Li-Ion Battery
	GSM / GPRS	Quad Band GPRS Class 12 -107 dBm Sensitivity TCP, UDP & HTTP Protocols
	GPS Receiver	33 Tracking Channels 99 Acquisition Channels -149 dBm Acquisition Sensitivity -167 dBm Tracking Sensitivity GPS / GNSS / QZSS
	IO Ports	Four Digital Inputs Two Analog Inputs Two Digital Outputs One SOS Switch Interface
	Additional Interfaces	One each RS-232 and One CAN Interface
	LED Indications	Main Power, Battery, GSM & GPS
	Mechanical	ABS FR Enclosure Dimensions: 102 x 72 x 32 mm Complies to IP65
	Antenna	Internal GSM and GPS Antennas
	Standards	IS9000, ISO16750, AIS004, IEC 60529, IS2465, ISO6722, ISO7637
	Antennas	Internal GSM and GPS Antennas
	SIM	Embedded SIM Provision
	Cable	16 Core, Tinned Copper & FR