

**DEVA** is a patented multifunctional device that enables audio messaging and video capturing. It is equipped with several sensors (microphone, presence detector, tilt sensor, temperature/pressure measurement) and accessories (e.g. LED lights). Its highly efficient design limits power consumption to the point of allowing uninterrupted use powered by the internal rechargeable battery alone. A latest generation solar panel can quickly recharge the battery even in low light conditions. **DEVA**'s enclosure has been specifically designed to protect the internal circuitry from exposure to the atmospheric elements (temperature, radiation, humidity and dust): an ideal solution for outdoor applications.

- ▶ Public places (city parks, squares, scenic boulevards)
- ▶ Temporary open air events (sports games, exhibitions, meetings)
- ▶ Theme and amusement parks
- ▶ Beach and seaside promenades
- ▶ Corporate facilities (factory parking lots, plant road networks)
- ▶ Bus terminals, gas stations, outdoor public parking lots
- ▶ Malls and retail outlets
- ▶ Archaeological sites, open-air museums
- ▶ Spas, outdoor swimming pools
- ▶ Golf courses
- ▶ Private property grounds

**DEVA** can connect to a config/control device such as a tablet or smartphone, or to a network-connected PC in many ways. The connection method can be both wired (via Ethernet) or wireless, either short-range (WiFi, Bluetooth) or long-range (GSM, GPRS, UMTS).

**DEVA** can be used in a wide range of applications, from background music to paging, in combination with video and/or audio surveillance. Depending on hardware equipment and software setup, various application-specific configurations of **DEVA** are possible. With standard WiFi 802.11n communication and 'green' solar power rechargeable batteries on board, **DEVA** is independent from any existing infrastructure. Light weight and compact, the unit can be installed quickly on walls or poles, permanently or temporarily.



- ✓ Sound reinforcement distribution remotely across large areas (e.g. background music, paging)
- ✓ Audio/video surveillance of large areas with integrated microphone and camera
- ✓ All-in-one, completely self-contained, no wiring infrastructure required at all
- ✓ Light-weight, compact, easy to install permanently as well as temporarily
- ✓ WiFi 802.11n capable for setup, upload and bi-directional real-time operation
- ✓ Weather-resistant for permanent outdoor use, 'green' solar power
- ✓ Extremely efficient for long periods of operation and stand-by:
  - ▶ High-capacity battery, charges even in low-light conditions
  - ▶ Audio diffusion with ultra-efficient Class D amplifier and transducer
  - ▶ Energy-efficient high-power white LED for support lighting or optical signaling
- ✓ Audio playback / 'live' paging:
  - ▶ Playback of locally stored audio (internal SD memory card)
  - ▶ Real-time feeds via WiFi (music, announcements)
- ✓ Internal ports for backup and external devices: Ethernet (incl. PoE), USB
- ✓ Individually addressable, plus grouping of multiple devices (zoning)
- ✓ Remote PC software for highly customizable setup and operation
- ✓ Additional functions available with optional modules (e.g. GSM/GPRS, GPS, UMTS, FM tuner, Bluetooth, various sensors)
- ✓ No maintenance required

## Specifications

<b>Audio</b>		
Sources	Streaming from remote microphone Playback from internal SD card Playback from USB key FM receiver	
Interface module	1 x 8" wide-range loudspeaker	
Frequency response	100 Hz - 16 kHz +/-3dB	
Max sound pressure level	115 dB/m	
Amplifier	Highly efficient Powersoft Class D circuitry	
Memory	4 GB SD Card	
Upstream	Via integrated microphone	
<b>Lighting</b>		
LED	High-power 4000°K white LED, appr. 540 lm, appr. 35° coverage, dimmable	
<b>Photo &amp; Video</b>		
Camera resolution	752 x 576 pixels	
Video resolution	320 x 240 pixels 10 fps	
<b>Power Management</b>		
Power supply	35 - 50 W / 18 V External solar panel	
and/or	PoE, PoE+, via RJ45 port	
and/or	18V 10W External power supply	
Internal battery	Standard sealed battery 12Ah 12V	
Min. light for solar charging	50 W/m <sup>2</sup> , AM1.5	
Operating times (without recharging)	Stand-by: more than 14 days. Audio: appr. 64 hours. Light appr. 20 hours	
<b>Communication</b>		
Wireless	Standard IEEE 802.11 a,b,g,n,d, 2.4 and 5 GHz Bluetooth	
Wired	Ethernet 100 Mbit/s, PoE, via internal RJ45 port. USB 2.0, via internal port	
Long range connection	GSM/GPRS/UMTS module	
<b>Sensors</b>		
Presence alarm	Infrared presence detector	
Telemetry	Pressure, temperature	
<b>Auxiliary Interfaces</b>		
Input / Output	1 x auxiliary power audio output 1 x RS485, 1 x general purpose digital input	
<b>Others</b>		
Localization	High sensitivity GPS module	
<b>GUI</b>		
Web Browser	On-board web server for mobile clients via Wi-Fi connection	
<b>Hardware</b>		
Plastic Casing	Weather-resistant IP65, from -20 to +70 C° (-4 +158 F°)	
Dimensions	(appr.) L x W x H 300 x 300 x 450 mm / 11.81 x 11.81 x 17.71 in	
Weight	(appr.) 10 kg / 22 lb	
<b>Accessories</b>		
Control software	DSM: PC software for multi-DEVA network management system (multi-zone assignment, multi levels users and authentication, alarms and events management,...)	
Solar panel	35 W or 50 W	
Mounting hardware	Wall or pole; steel; freely adjustable within a wide range	
Remote Control	Infrared (optional)	

