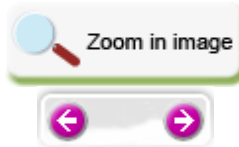


## ■ TROPHY-USR Portable Wireless Amplifier

USB/SD-Card and Record Player included



Portable wireless amplification solution with USB/SD-Card player suitable for MP3, WMA file format together with useful Record player. UHF or VHF wireless microphones come with music override feature.

Powerful RMS 100-Watt Output with VHF-200MHz or optional UHF 863~865MHz 16-Preset Frequency Wireless Microphone (Other frequencies are Optional)

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### ■ Special Features

- All-in-One system of power amplifier, wired & wireless microphone, master volume control, speaker, rechargeable battery and media player.
- USB/SD-Card player suitable for MP3, WMA file playback with LED display
- Useful play/record player, EQ, Play/Pause, Record, Next, Prev, Line-in, repeat/Random, Record, Stop/Play, Vol-, Vol+
- Clear sound wireless transmission of VHF-200MHz or UHF-800/900MHz w/ 16-freq. selection.
- Voice-priority function allows all the microphones to automatically override any internal or external sound sources during speech but returning back to normal operating condition immediately after the speech. Priority range can be adjustable from 0 ~ 100% within time delay of 0 ~ max. 1.5sec. This function is really effective for sudden speech requirement without manual reducing volume of internal/external sound sources
- CMOS technology digital Echo function with control of effect and level volume.(CMOS: 44K memory / Delay time: 31ms ~ 340ms)
- Battery monitoring indicator by 5 array LED showing the battery level
- Real unique and multiple application by one-wireless and one-corded microphone
- Terminal for external speaker to boost output power of total approx. 30%
- Independent tone control of Treble & Bass in range of  $\pm 10$ dB
- Separate volume controls for cordless & corded microphone and aux function
- Built-in rechargeable explosion proof sealed acid battery runs extremely long operation
- Solid construction and elegant tailored design made by strong wooden MDF for powerful sound output
- Comes complete with hand-held or tie-pin microphone per order, ready for use
- **ABMR** (Automatic Battery Monitoring & Recovery) to protect rechargeable battery

### ■ USB/SD-Card & Record Player



- USB/SD-Card & record suitable for MP3, WMA file playback with LED display.
- It is easy for you to count out how long your SD memory card could record.

### ❖ Wireless microphone



- ❑ PLL Synthesized 16-selectable frequencies. CPU operation.
- ❑ Noise-lock and long operational distance without signal dropout.
- ❑ Excellent frequency response with stable performance.

### ❖ External & Embed Battery Jack



- ❑ Operation of amplifier by external battery (DC12V/7Ah) and external, device control by embed battery (Only for 12V)

### ❖ Voice-over



- ❑ Voice-priority function allows all the microphones to automatically override any internal or external sound sources during speech but returning back to normal operating condition immediately after the speech. Priority range can be adjustable from 0 ~ 100% within time delay of 0 ~ max. 1.5sec. This function is really effective for sudden speech requirement without manual reducing volume of internal/external sound sources

### ❖ Digital Echo



- ❑ CMOS technology digital Echo function with control of effect and level volume.(CMOS: 44K memory / Delay time: 31ms ~ 340ms)

### ❖ Treble/Bass Tone control



- ❑ Independent tone control of Treble & Bass in range of  $\pm 10$ dB

### ❖ Battery Indicator LED

- ❑ 5-step array LED indicator shows the level of remaining internal re-chargeable battery by means of any number of LED light so



that end-user can identify the remaining battery level and judge the corresponding time to recharge the battery.

- When the battery needs to immediate recharge, the last step LED starts to flash in order to visually warn the dangerous level of battery.

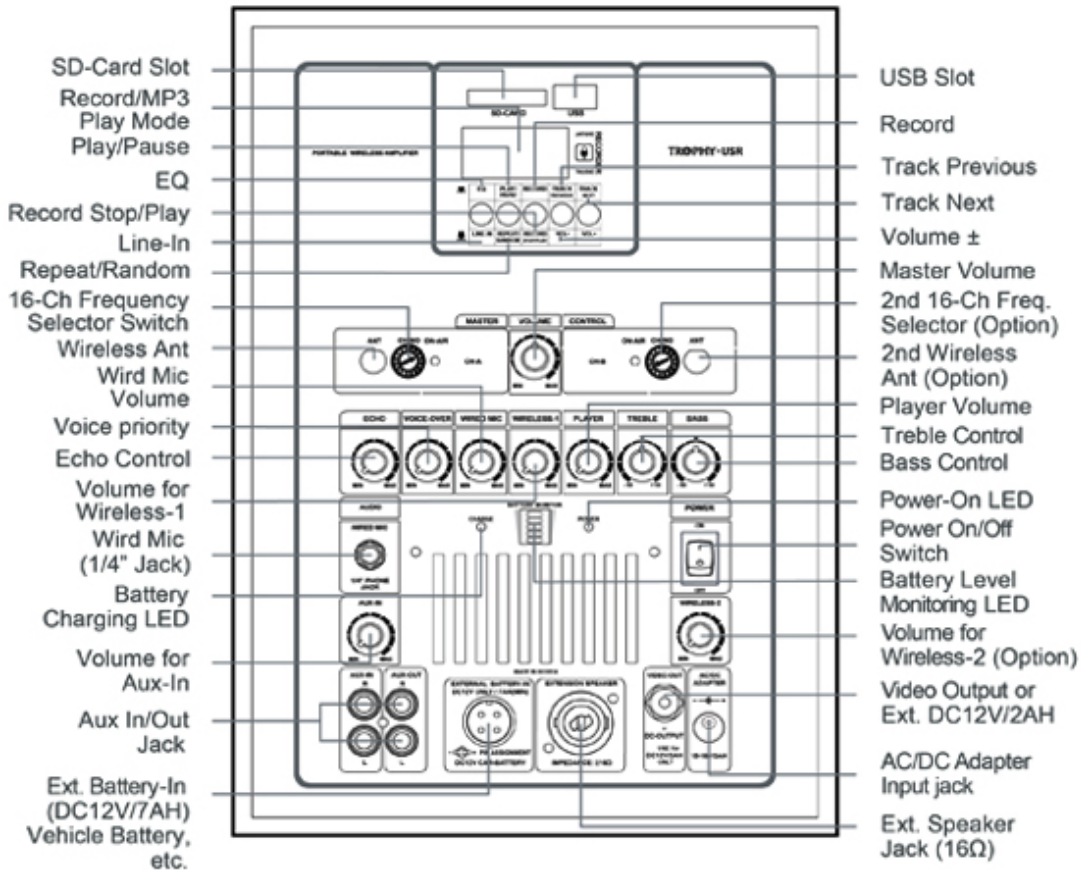
Special Note for ABMR (Automatic Battery Monitoring & Recovery System)



All Soundplus amplifiers are armed with ABMR which continuously monitors the battery and automatically turns off the amplifier if voltage drops to a dangerous level. But system can instantly recover by switching on the supplied AC/DC adapter.

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Illustration of Component Parts



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Technical Specification

Amplifier	Specification
Power Output	RMS 100-Watt

No. of Mic Input	1 x Wired Microphone (1/4" Phone jack) + 1 x VHF or UHF Wireless Microphone
Operation	Approx. 4 ~ 5 hours (Depends on operating condition)
Master Volume	Simultaneously controls Wired, Wireless Mic, Player & Aux-in
Volume	1 x Wireless mic / 1 x Wired mic / 1 x Aux-in / 1 x Player
Voice-over	Adjustable 0 ~ 100% / 0 ~ max. 1.5 sec.
Echo	CMOS 44k memory / Delay time: 31ms ~ 340ms
Tone	1 x Treble / 1 x Bass Independent ( $\pm 10$ dB)
Aux	2 x RCA Aux-In / 2 x RCA Aux-Out
Speaker	6.5" Full range Dynamic
Battery	12V/7Ah Rechargeable, Maintenance-free, Sealed-acid
External Battery Input	1 x 4-Pin Terminal (Built-in protection circuitry)
AC/DC Adapter	SMPS AC100~240V / DC 15-16V/4.5A UL/CE/CSA/TÜV...
Charging	Approx. 8 ~ 10 hours
Weight (Gross)	Approx. 10Kg
Dimensions	240mm(W) x 253mm(D) x 340mm(H)

Wireless System	Specification
Carrier Frequency	UHF 863 ~ 865MHz (Option : VHF-200/900MHz)
Oscillation	PLL Synthesized
Stability	$\pm 0.005\%$ Crystal controlled
Modulation	$\pm 15$ kHz Nor. / $\pm 30$ kHz Max. w/50 $\mu$ S Pre & De-emphasis
Freq. Response	50Hz ~ 15kHz $\pm 2$ dB
Max. Distortion	$\geq 0.3\%$ at 1kHz, 15kHz DAV
Dynamic Range	90dB
RF Power	10mW (Depends on regulation)
Max. SPL	110dB
RF Sensitivity	0.45 $\mu$ V for 12dB SINAD
Image Rejection	65dB, Typical
S/N	More than 90dB
Squelch Quieting	More than 90dB

USB/SD-Card	Specification
USB Player	Support up to 64GB, MP3 with USB/SD(or MMC Card)
SD-Card	Support up to 32GB
Function	EQ, Play/Pause, Record, Next, Prev, Line-in, Repeat/Random, Record, Stop/Play, Vol-, Vol+
Decoder	MP3/WMA

Format	FAT16, FAT32
Display	LED with Back-light