

## Wireless Amplifiers

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### ■ TRAMP-PC30 Portable Wireless Amplifier

- Multimedia DVD Player with Pitch Control included



RMS-80 watt PA amplifier and wireless microphone system together with wide range variable pitch controlled DVD/USB/SD-Card Player, particularly ideal for aerobics, language tuition, dance, etc. The instructor has full control of level setting of voice over-ride with all microphone use.

Powerful RMS 80-Watt Output with VHF-200MHz or optional UHF863-865MHz 16-Preset Frequency Wireless Microphone (Other frequencies are Optional)

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#### ■ Special Features

- Compact All-in-One system combination of power amplifier, wired & wireless microphone, speaker, rechargeable battery and media player.
- Shock-proof rigid ESP mechanism of DVD/CD/USB/SD-Card player with adjustable Pitch-control of  $\pm 30\%$
- No Octave changes even at max. pitch adjustment
- LED-array indicator shows the level of pitch
- UHF 16-Ch PLL wireless for transmission range of approx. 100 feet for virtually any application
- Real unique and multiple application by one-wireless (Option: two-wireless) & one-corded microphone
- Battery monitoring indicator by 5 array LED showing the battery level
- Independent tone control of Treble & Bass in range of  $\pm 10\text{dB}$
- 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)
- Terminal for external speaker to boost output power of approx. 30%
- Separate volume controls for cordless & corded microphone and aux function
- Built-in rechargeable maintenance-free sealed battery runs extremely long operation
- Solid construction and elegant tailored design made by strong wooden MDF for powerful sound output
- ABMR (Automatic Battery Monitoring & Recovery) to protect rechargeable battery

#### ■ DVD/USB/SD-Card Player with Pitch Control of $\pm 30\%$



- DVD player runs DVD, Dvix, SVCD, VCD, MP3CD, CD, MPEG4, HDCD, CD-R, CD-R/W, DVD+RW, USB-MP3, SD-Card, WMA & JPG
- Pitch adjustment of max.  $\pm 30\%$  but without any Octave change. Ideal for Aerobic, Aquarobic, Sports dance, Tutor, Language training, etc.
- Remote control for all function of DVD player including Pitch level control.

❖ 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 Battery Jack



- Operation of amplifier by external battery (DC12V/7Ah), i.e., Vehicle battery, etc.

❖ 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.

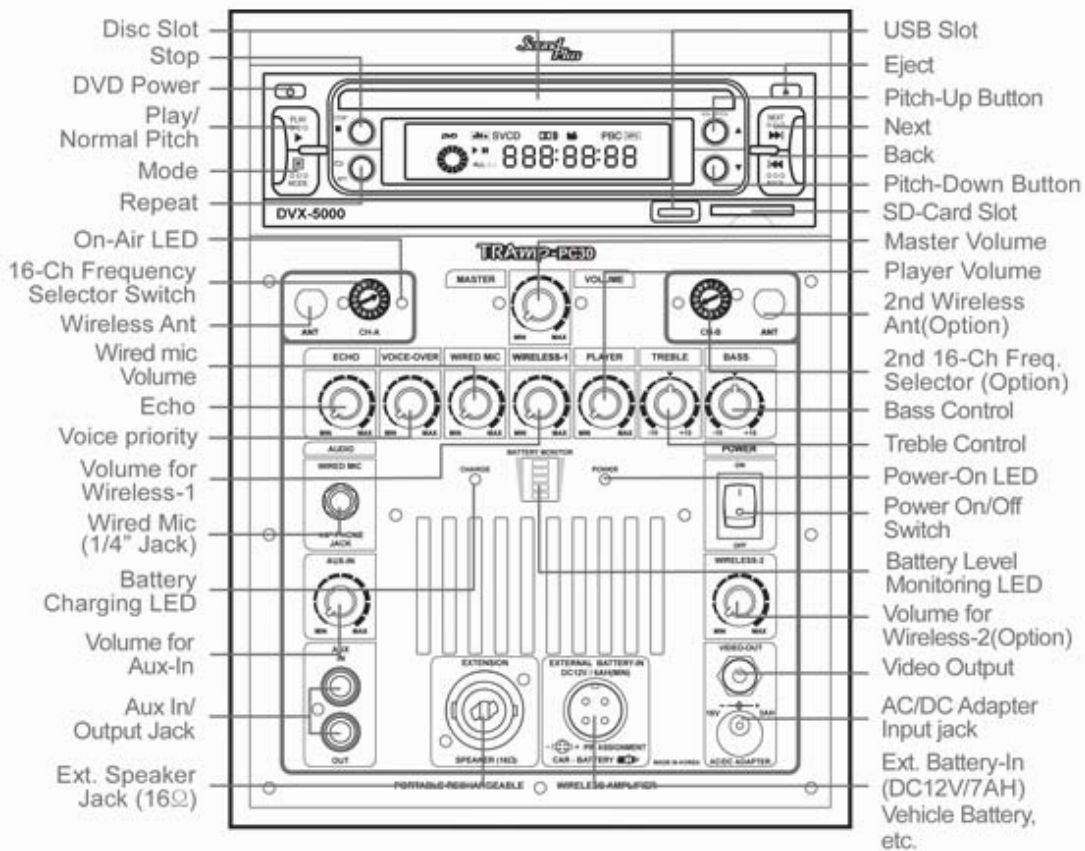
Special Note for ABMR (Automatic Battery Monitoring & Recovery System)



- 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.

Illustration of Component Parts

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Technical Specification

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Amplifier	Specification

Power Output	RMS 80Watt
No. of Mic Inputs	1 x Wired Microphone (1/4" Phone jack) + 1 x VHF or UHF Wireless Microphone
Operation	Approx. 3 ~ 4 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. 1.5sec.
Echo	CMOS 44k memory / Delay time: 31ms ~ 340ms
Tone	1 x Treble / 1 x Bass Independent ( $\pm 10$ dB)
Aux.	1 x RCA Aux-In / 1 x RCA Aux-Out
Speaker	6.5" Full range Dynamic
Battery	12V/4Ah 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/3A UL/CE/CSA/TUV...
Low Battery Warning	Blinking of Low-battery LED
Charging	Approx. 8 - 10 hours
Weight (Gross)	Approx. 9kg Nett
Dimensions	205mm(W) x 260mm(D) x 276mm(H)

Wireless System	Specification
Carrier Frequency	UHF-863 ~ 865MHz
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

DVD/CD/USB/SD-Card	Specification
Pitch Adjustment	DVD/CD/USB/SD-Card: -30% ~ +30%
USB/SD-Card Player	Support MP3 with USB/SD-Card

Playable Discs	DVD, Divx, MPEG4, CD, VCD, JPG, DVD-R/W, CD-R/W
Remote Control	Play/Pause, DVD/USB/SD-Card, Pitch-Up/Down, Folder-Up/Down, Program, Mute, etc.
Supported Memory	Un-limited
Search time	Approx. 5 sec.
Output level	1.2V $\pm$ 2dB
THD	Less than 0.1% / 1KHz