

Portable PA System



◀ **WA-641C Portable Meeting Amp**

USER BENEFITS

- ▶ User-friendly controls and three power source options allow for quick and easy set up of a complete, portable public address system — anytime, anywhere.
- ▶ Delivers clear sound with low distortion, ensuring the audience hears every word of your presentation
- ▶ Optional built-in cassette easily allows you to save a copy of speeches and lectures or to include music or other audio in your presentation.
- ▶ Add a TOA wireless microphone at any time to enjoy the convenience of hands-free, wire-free operation.
- ▶ Reduce costs by buying only one portable system for the majority of your PA needs.
- ▶ Enjoy peace of mind with TOA's two-year, no questions asked warranty.

TOA's portable meeting amplifiers are the perfect choice when you need a small, easy-to-use public address system for meetings, lectures, conferences and classrooms. Truly portable, the WA-641 systems each contain a powerful 15 Watt amplifier with an 8" two-way speaker in one lightweight, compact enclosure. One system comfortably covers an audience ranging from half a dozen to more than 100 people, delivering clear, intelligible sound with very low distortion.

For versatility, the meeting amps include four inputs—three for low impedance microphones and one auxiliary line level, which accepts signals from an external tuner, tape or CD player. Each input has its own volume control for true multiple input mixing, and an overall tone control adjusts for the best response in speech or music. A 1/4" recording/line out jack can feed either a tape recorder or an external amplifier and speaker. A second WA-641 can be fed from this output to cover larger crowds.

An exciting option you can add to your system at any time is the freedom of wireless microphone operation. Choose one or two of TOA's hand-held, lapel or headset wireless microphones, depending upon your system needs. All of TOA's wireless systems

use our proprietary *tone key* circuitry to block out interference from other radio signals. To facilitate wireless operation, the system has an RF signal presence indicator for each wireless input, plus an integral, telescoping whip antenna.

An optional built-in cassette tape recorder is included when you order the WA-641C model. Using the cassette option, you can record and save a presentation or include pre-recorded music or other audio in your presentation. An AGC (automatic gain control) circuit, which automatically adjusts for the proper recording level, ensures your recordings are mistake and distortion free.

Use any of three versatile power sources with your portable amplifier — 120 V AC plug, eight "D" batteries, or external DC source, such as a 12 V car battery. An LED indicator shows the power on/off status. Durable yet lightweight, the WA-641 weighs in at less than 20 pounds. To add to the true portability of the system, TOA has included an integral carrying handle and a generous, hidden compartment for storing microphones, cables and spare batteries. The system also includes a spare fuse and three plugs for external speaker, DC and 1/4" tip/sleeve.

SPECIFICATIONS

WA-641 & WA-641C PORTABLE MEETING AMPLIFIERS

| | | |
|-------------------------------|-----------------------------------|--|
| PERFORMANCE | Frequency Response | 70 Hz - 10 kHz +/- 3 dB |
| | Total Harmonic Distortion | < 3% at rated output |
| | Noise Floor | > -70dB below rated output |
| INPUTS/OUTPUTS | Inputs (sensitivity / impedance): | |
| | Mic 1, 2 & 3 | 2 mV (-51 dB) / 600 ohms |
| | Auxiliary / Line | 100 mV (-18 dB) / 500 k ohms |
| | Outputs (output / load) | |
| | Amplifier (AC power) | 15 W (maximum 20 W) / 4 ohms |
| | Amplifier (DC power) | 6 W (maximum 8 W) / 4 ohms |
| | Recording / Line (nominal) | 1 V / 600 ohms |
| | Internal Speaker | 4 ohm x 8" 2-way dual cone |
| | Output | > 92 dB SPL |
| | FUNCTIONS | Input Volume Controls |
| Tone | | Single bass cut / treble cut control |
| Power | | Push-on / push-off switch |
| Input Jacks | | 1/4" for Mic 1, 2, 3 and aux line (tip/ring & tip/ring/sleeve 1/4" jacks) |
| Output Jacks | | 1/4" recording/line 3 Pin DIN two position for external spkr. |
| Indicators | | Power on LED Mic 1 & 2 RF carrier presence LED |
| WIRELESS | | Inputs |
| | Frequency Range | 168 MHz - 216 MHz |
| | Transmitter Power | 15 mW |
| | Receiver Sensitivity | 20 uV at -70 dB S/N ratio (max. -90 dB) |
| | Receiver Antenna | Built-in telescoping whip |
| | Dual Squelch | RF and tone-key |
| CASSETTE (WA-641C) | Format | 2-track mono (stereo compatible) |
| | Tape Speed | 1-7/8 IPS |
| | Wow & Flutter | 0.3% RMS |
| | Controls | Stop, REW, FF, Play, Reverse Play, Record |
| | Indicators FF/REW Time | Play, Reverse Play and Record LEDs < 100 Seconds (C-60 tape) |
| PHYSICAL | Enclosure | Light green ABS resin |
| | Dimensions (W" x H" x D") | 14.4 x 18.0 x 7.9 |
| | Power (at rated output): | |
| | AC | 120 V AC, 30 W |
| | Internal DC | 8 x "D" cells, 1.2 A |
| | External DC | 10 V - 16 V DC 1.2 A |
| Weight (lbs) | 16.1 (WA-641C: 18.3) | |

Note: 0 dB - 0.775 V RMS

All specifications are subject to change without notice.

APPLICATIONS

- ▶ School classrooms and meeting rooms.
- ▶ Hotel and corporate meeting and conference rooms.
- ▶ Houses of worship meeting and classrooms.
- ▶ Municipal meeting, conference and hearing rooms.
- ▶ Outdoor gatherings and field trips.

FEATURES

- ▶ Powerful 15 Watt amplifier with an 8" 2-way speaker.
- ▶ Three microphone inputs plus an auxiliary line input.
- ▶ Optional wireless microphone operation for 2 of the mic inputs.
- ▶ Recording/line output.
- ▶ Tone control.
- ▶ Three power source operation: 120 V AC, 8 "D" batteries, and external DC (10 V to 16 V).
- ▶ Storage compartment for microphones and extra batteries.
- ▶ Built-in auto-reverse cassette deck with automatic gain control (WA-641C only).

THE TOA ADVANTAGE

- ▶ Number one choice of sound contractors for eight years running.
- ▶ Two-year, no questions asked product warranty.
- ▶ Same day shipment on most orders.
- ▶ Delivering rugged and innovative products worldwide for more than 60 years.



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