



SERVICES CULTURE ÉDITIONS
RESSOURCES POUR
L'ÉDUCATION NATIONALE

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Base Nationale des Sujets d'Examens de l'enseignement professionnel**

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ANNEXE 12

PLAYER AOPEN MP945

Le player AOPEN MP945 rentre dans la gamme des mini-PC, principalement utilisé comme Média Center prenant place dans le salon à côté d'un téléviseur. Il peut servir à la fois de lecteur multi format (DVD, DIVX, ...), de jukebox ou encore de magnétoscope numérique étant donné qu'il peut être livré avec un tuner TV sous forme de clés USB.

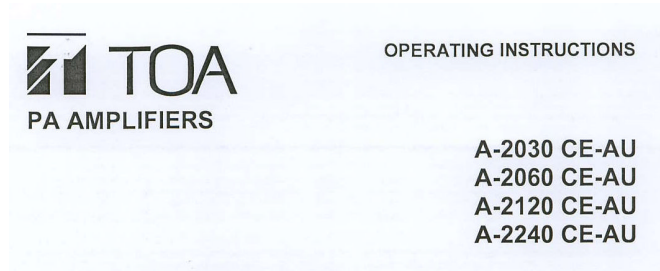


Caractéristiques techniques :

- ❖ Dimensions : 165(l) x 50(h) x 165(L) millimètres Poids : 1.36 kg (sans alimentation)
- ❖ Carte mère : Socket 479 ; Chipset 945GM (moteur graphique GMA950 intégré) ; Contrôleur réseau 10/100/1000 Mbps ; Codec Audio 5.1 High definition Audio Realtek ; 1 slot DDR2 400/533/667 SO-DIMM (2 Go maximum) ; 1 port mini-PCI ; 1 port Serial ATA
- ❖ Processeur Intel Core Duo T2300E cadencé à 1.66 GHz
- ❖ Mémoire vive de 1 Go DDR2
- ❖ Disque dur de 80 Go, SATA, format 2,5"
- ❖ Graveur de DVD double couche, format slim
- ❖ Nuisance sonore inférieure à 27 dB(A).
- ❖ Windows XP Media Center
- ❖ Accessoires : Télécommande et clavier sans fil Microsoft Media Center
- ❖ En option : Module Wi-Fi à intégrer sur la carte mère + antenne WI-Fi extérieure
Tuner TNT Leadtek USB DTV Dongle, format clés USB

| | | | |
|----------------|--------------------------|------------------|-----------------|
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| Épreuve : E2 | | Coefficient : 5 | |

ANNEXE 13



3. GENERAL DESCRIPTION

TOA's Basic Amplifiers A-2030, A-2060, A-2120 and A-2240 are high cost-performance mixer power amplifiers suited for broadcasting paging or background music in schools, offices, shops, factories, mosques, churches and large rooms.

4. FEATURES

- High durability, high reliability, and high cost performance.
- Three microphone inputs, two AUX inputs, and one recording output.
- Speaker output of constant voltage distribution system (70V or 100V) and low impedance (4Ω).
- Operates on both AC and DC power.
- Muting function.
- Independent input volume controls and master volume control.
- Independent tone controls of boost and cut type for both high and low frequencies.
- MIC 1, MIC 2, MIC 3 inputs are equipped with XLR connectors and mute switch control.
- MIC 1 with phantom power for condenser microphones.
- Current limiter circuitry protects transistors, and the thermal protection circuitry prevents a failure due to overheat.
- All MIC inputs are electronically-balanced input.

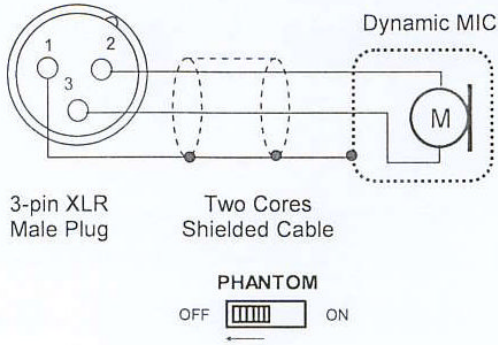
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6. CONNECTIONS

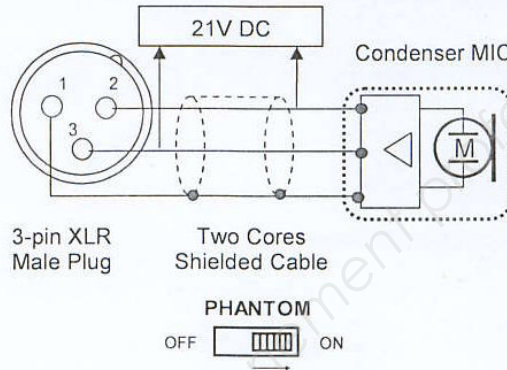
6.1. Input Connections

- Mic 1 Connection (3-pin XLR Male Plug).
XLR Jack connection, Pin-1: Earth, Pin-2: Hot, Pin-3: Cold.

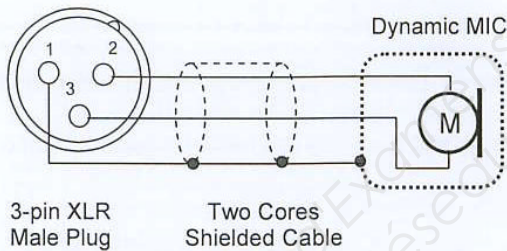
- In the case of Dynamic Microphone



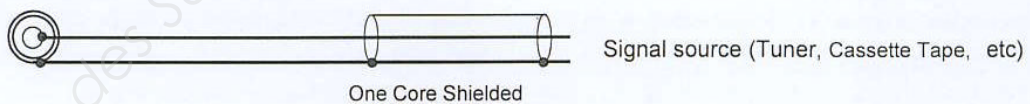
- In the case of Phantom Power Microphone



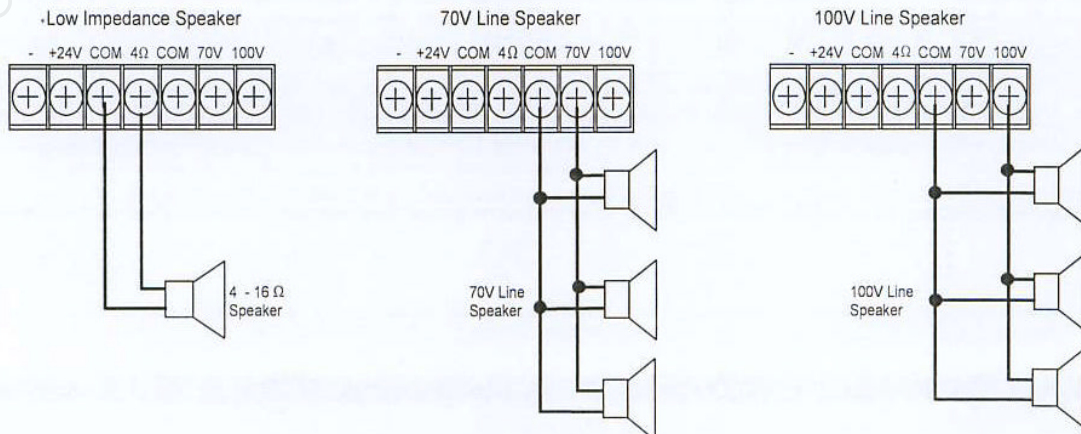
- Mic 1 and Mic 2 Connection (3-pin XLR Male Plug)
XLR Jack connection, Pin-1: Earth, Pin-2: Hot, Pin-3: Cold.



- AUX input Connections (RCA pin jack)



6.2. Output Connections



CAUTION!

- Tripartite the 4 Ω, 70V and 100V terminals cannot be used at the same time.
- Impedances indicated at the terminal represent the total speaker system (load) impedances.

Total impedances of 100V line:

- 330 Ω (A-2030)
- 170 Ω (A-2060)
- 83 Ω (A-2120)
- 42 Ω (A-2240)

Total impedances of 70V line:

- 170 Ω (A-2030)
- 83 Ω (A-2060)
- 42 Ω (A-2120)
- 21 Ω (A-2240)

12. SPECIFICATIONS

| Model No. | | A-2030 CE-AU | A-2060 CE-AU | A-2120 CE-AU | A-2240 CE-AU |
|---|-------------|---|--------------------|---|---------------------|
| Power Source | | 220 - 240V AC or 24V DC | | | |
| Rated Output | | 30 W | 60 W | 120 W | 240 W |
| Power Consumption (IEC60065) | | 34 W | 72 W | 124 W | 238 W |
| DC Current Consumption (at rated output) | | 2 A | 4 A | 8 A | 15 A |
| Frequency Response | | 50 - 20,000 Hz, ±3dB | | | |
| Distortion | | Less Than 1% at 1kHz, 1/3 Rated Power | | | |
| Inputs | MIC 1 | -60 dBV (1.0 mV), 600 Ω, Balanced, Equivalent to XLR 3-31 Type | | | |
| | MIC 2 | -60 dBV (1.0 mV), 600 Ω, Balanced, Equivalent to XLR 3-31 Type | | | |
| | MIC 3 | -60 dBV (1.0 mV), 600 Ω, Balanced, Equivalent to XLR 3-31 Type | | | |
| | AUX 1 | -20 dBV (100 mV), 10 kΩ, Unbalanced, RCA Pin Jack | | | |
| | AUX 2 | -20 dBV (100 mV), 10 kΩ, Unbalanced, RCA Pin Jack | | | |
| | Mute | Mute terminal: Contact Screw Terminal (for MIC1) | | | |
| Outputs | Speaker Out | All Speaker Outputs are Floating Balanced | | | |
| | 100 V | 330 Ω | 170 Ω | 83 Ω | 42 Ω |
| | 70 V | 170 Ω | 83 Ω | 42 Ω | 21 Ω |
| | 4Ω | 11 V | 15.5 V | 22 V | 31 V |
| | Rec Out | 0dBV (1.0V), 600Ω, Unbalanced, RCA Pin Jack | | | |
| Phantom Power | | DC +21V (MIC1) | | | |
| S/N Ratio | | Over 60 dB | | | |
| Tone Controls | | Bass: ±10 dB at 100 Hz Treble: ±10 dB at 10 kHz | | | |
| Muting | | MIC1 overrides other input signals with 0 - 30 dB attenuation by either mute terminal contact. | | | |
| Ventilation | | ----- | | | Cooling Fan |
| Indicators | | Power LED, Signal LED, Peak LED | | | |
| Finish | | Panel: ABS Resin, Black Case: Steel Plate, Black | | | |
| Dimensions | | 420(W) x 101(H) x 280(D) mm 16.54(W) x 3.97(H) x 11.02(D) inches | | 420(W) x 101(H) x 360(D) mm 16.54(W) x 3.97(H) x 14.17(D) inches | |
| Weight | | 5.0 kg 11.05 lb | 7.0 kg 15.43 lb | 10.8 kg 23.81 lb | 13.2 kg 29.10 lb |

*) 0dBV = 1.0V

**) Specifications are measured on 240V AC for all models.

Note: The design and specifications are subject to change without notice for improvement.

10. BLOCK & LEVEL DIAGRAM

