

# UPAS-120 / 240

# PA SYSTEM CENTRAL AMPLIFIER UNIT

Marine type Public Address System central amplifier unit in 19" wall mount rack 6HU, with two standard amplifier alternatives of 120 or 240 watt output power. Selection of one, few or all (up to 5 ) zones. The UPAS based PA system permits setting of the desired volume for each zone from the central unit. Compatible with any microphone, but has been optimized for the use with URC-10 (digital microphone with control buttons) and URC-11 (digital microphone for UDM-10 digital announcement module).



### STANDARD FEATURES

#### GENERAL

- Built-in cooling fan
- Overload, short-circuit and high temperature protection, and LED indicators
- Module slot provision for 1 x pack unit entertainment source (CD, cassette, radio) or digital message unit
- Including 3 HU space for additional expansion of entertainment sources etc.
- 2-body wall mounted steel rack with right hand (opt. left hand) swingable front part for easy access to ship cable network and terminals at rear part.
- Spring force (anti vibration) terminals for ship's cables 2.5mm<sup>2</sup>

#### INPUTS:

- 3 microphone / line level inputs
- 2 line level inputs with ind. Gain/tone
- 3 inputs for Digital Microphone Remote Controls
- Provision for entertainment units and digital messages
- Chime generator (2 or 4 tone selectable)
- Siren generator (wail and continuous tone)
- Telephone paging output
- Various levels of priority settings
- Power ON/OFF remote control

#### OUTPUTS:

- 5 speaker output zones
- Individual zone selection buttons, level attenuators and LED indicators
- 100V line output standard (opt. 70V/50V)
- 4 Ohm low impedance output
- Recording output facility

### GENERAL SPECIFICATION

Frequency response	55-16000 Hz (less than -3dB)
Input sensitivity	-50dBu to -10dBu adjustable
Signal-to-noise ratio	More than 80dB (Line), 70dB (Mic.) ("A" weighted).
THD at 1 kHz	Less than 1%
Output power	120W (RMS) (UPAS-120), 240W (RMS) (UPAS-240).
Mains power	230 V AC 50/60 Hz (110V AC option available)
Emergency power	24V DC
Material	Epoxy painted sheet steel
Colour	Light Grey (RAL 7035), tinted glass door
Power consumption	350W (UPAS-120) 630W (UPAS-240)
Dimensions	350 x 600 x 520 mm (HWD)
Weight	Approx 20 kg (standard configuration)
Approvals / Compliance	CE

### OPTIONAL FEATURES

- PA / TB COMBINED SYSTEM:**  
**ICE-500 series** With our newly developed Talkback Masterstations, we offer solution required on all kind of ships. One control panel, for control of both systems.
- ENTERTAINMENT SOURCES AND DIGITAL MESSAGE-BANK UNIT:**  
**UTP-10** FM/AM Tuner pack unit  
**UCDP-10A** CD Player pack unit  
**UCDR-10A** CD – FM/AM Tuner pack unit  
**UDM-10A** Digital Message pack unit  
**UME-2A** Cabinet module 2HU for 2 x pack units  
**U6CD-10** 6 CD changer (2 HU)
- DIGITAL REMOTE CONTROL WITH MICROPHONE:**  
**URC-10** Digital remote control receiver for connection of up to 3 pcs of URC-10 / URC-11 units by 4-pairs LAN cable (UTP-Cat5) (max. 100 m)
- ALARM GENERATORS:**  
**UPAL-1** Alarm generator with one tone “General Alarm”  
**UPAL-3** Alarm generator with three tones selectable “General Alarm”, “Fire Alarm”, “Abandon”, etc...

### System example - 4 zone PA system combined with command Talkback system

