

SPA-V2

PUBLIC ADDRESS SYSTEM

FEATURES

- **Standalone PA and GA system made for the ship environment**
- **19" rack w/screw terminals for ship cable network**
- **Power Amplifiers, 100 V line with alternative power output of 120, 240 or 400 W**
- **Provides monitoring of power amplifiers**
- **6 zones selection + ALL**
- **Integrated PA/GA solution in combination with ACM system**
- **Input for 3 microphone panels**
- **AUX / Alarm input**
- **Input from Talk-Back system**
- **Input from PABX (preselected zones)**
- **Mains 230 V AC/24 V DC w/auto switch-over (110V AC on request)**
- **Built-in pre-amplifiers**
- **Wide set of microphone and alarm panels**

DESCRIPTION

The SPA-V2 system is specially designed to meet the demands for a cost-effective Public Address system for use on board ships. The system is available in different versions and offers a set of standard and optional features which covers the requirements for a marine PA and general alarm systems for all type of ships.

Each SPA rack supports from 120W to 2800W. A system can consist of multiple racks to provide needed capacity. The racks can be provided in the following sizes: 12 HU, 16 HU, 20 HU, and 24 HU

The SPA system supports the integrated PA and GA solution. This solution is type approved for Public Address and general alarm. Together with the ACM system, the SPA system are extremely cost efficient where SPA loudspeaker loops are used together with the integrated ACM units to cover areas where PA and GA are required onboard the ship.

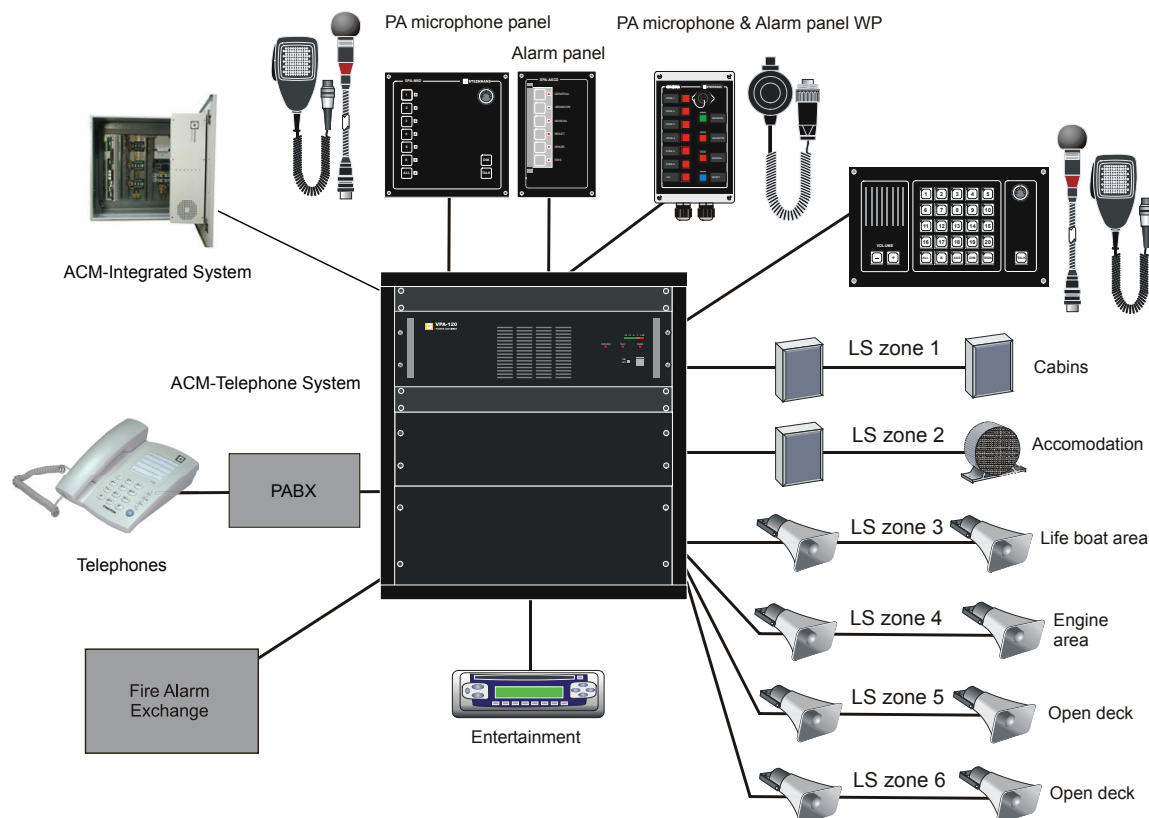
At delivery, the rack is equipped and internally wired according to customer specifications.



TYPE APPROVED:

THE SYSTEM IS TESTED ACCORDING TO EN 60945, AND IS TYPE APPROVED BY DNV-GL, LR, CCS, RMRS, ABS, BV, AND CRS





SYSTEM UNITS SPA-V2

ORDER NUMBER	DESCRIPTION	ORDER NUMBER	DESCRIPTION
Central units, Control units & Amplifiers			
3005010079	SPA-120-V2 "PA Main Unit, 19" RACK" 1X120W VPA Amplifier	3005010150	SPA-M1-V2 PA Panel Single, All-Call, Flush
3005010084	SPA-240-V2 "PA Main Unit, 19" RACK" 1X240W VPA Amplifier	2340110019	SPA-M1-D PA Panel Dual, All-Call, Flush
3005010087	SPA-400-V2 "PA Main Unit, 19" RACK" 1X400W VPA Amplifier	2340110020	SPA-M6-V2 PA Panel Single w/6 zones, All Call, Dimmer, Flush
3005010235	VPA-120 Power Amplifier, 120W/100V, 220V AC/24V DC - 3HU	2340110021	SPA-M6-D PA Panel Dual w/ 6 Zones, All Call, Dimmer, Flush
3005010237	VPA-240 Power Amplifier, 240W/100V 220V AC/24V DC - 3HU	3005020029	ETC-1-TB Hand Microphone
3005010239	VPA-400 Power Amplifier, 400W/100V 220V AC/24V DC - 3HU	3005020033	MB-30G Gooseneck Microphone
3005010180	SPA-SHELF SHELF 1-4 for Additional Equipment	3005010155	SPA-M6BOKS Back box for SPA-M1 and M6 panels when wall mounted
3005010181	SPA-SHELF4 Shelf w/drawer f/CU-system incl. Rack expansion 3HU	3005010095	SPA-AC6 Single alarm panel with covered and illuminated alarm start and reset button for indoor use
3005010184	SPA-SWITCH-V2 Monitor w/6xVolume Line Selector and 6x Program Switch 2HU	3005010096	SPA-AC6-D Dual Alarm panel with covered and illuminated alarm start
3005010185	SPA-SWITCH-V3 6x Prog & Line -Selector Switch w/ VoLume control	3005010003	ACBOKS Back box for SPA-AC6 panels when wall mounted
3005010173	SPA-RCD Radio/CD Player incl. Rack Expansion 2U	3005010199	SPA-W1-V2 Weatherproof PA-panel for outdoor use, IP-66
3005010169	SPA-PABXR-V2 PABX Recall Voice Rec Mod 1Hu-Rack Exp Incl	3005010197	SPA-W1-D Dual weatherproof PA-panel for outdoor use, IP-66
3005010111	SPA-DARF-16 Digital Audio Recorder/Player In 19" 1U, 24V DC	3005010196	SPA-W1AR-V2 Weatherproof PA-and alarm panel for outdoor use IP-66
3005010177	SPA-REM7 Remote Panel w/ 7 Start & 1 Stop Button	3005010195	SPA-W1AR-D Dual Weatherproof PA-and alarm panel for outdoor use IP-66
2329990003	DVD-191U DVD player rackmount 19" - 1HU	3005010202	SPA-W6A4-V2 Weatherproof PA-and alarm panel w/6 zones for outdoor use, IP-66
3005010109	SPA-CHIME-V2 CHIME Generator	3005010203	SPA-W6A4-D Dual weatherproof PA-and alarm panel w/6 zones for outdoor use, IP-66
3005010166	SPA-ZONE Contr. Board w/ 4-Way Entert 6 Zones	3005020039	P-66 Hand Microphone With Plug, WT
2990000032	CPM-SNT-120-5 Power supply 100-240VAC/24VDC 5A	3005020040	P-66/10 Hand Microphone With Plug And 10 M Cable, WT
3005010188	SPA-TERM-V2 Terminal Board SPA W/2,5M Cabale	3005010172	SPA-PROG4-RDF Entertainment Progr Selector Dual Failsafe, 4 Prog. Inputs PA A&B With Override
3005010121	SPA-EE3D-V2 Alarm set for dual system	3005010024	ENT-4F Bedside Type Panel W/Vol. Control And Program Selector, Failsafe
3005010124	SPA-EE3-V2 Single alarm gen. W/3 alarm tones		
3005010127	SPA-EMS-V2 Switching board for emergency PA message		
3005010102	SPA-AL-REL-V2 3 X pot free relay output		
3005010130	SPA-ENT4-V2 SPA 4 way entertainment 6 zones		
3005010191	SPA-VDR-V2 Output for voice data recorder		
3005000038	SMIII-PA PA telephone interface (trunk line needed per PA-line)		
3005010136	SPA-FAIL Power failure output relay with potential free contact		
3005010189	SPA-UPS Auto switch between 230 AC main & emergency/UPS		