



г. Санкт-Петербург

ООО "AT-PA"

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Marine public address system

System composition

No.	Name & specification	Type	Weight	IP Rating
1.	2X(50W~300W) Flush type public address amplifier	CKY-1Q	65-75kg	IP22
2.	2X(50W~1500W) Desk type public address amplifier	CKY-1T	60-220kg	IP22
3.	50W~300W Flush type public address amplifier	CKY-1Q/A	28-35kg	IP22
4.	50W~300W Desk type public address amplifier	CKY-1T/B	50-55kg	IP22
5.	50W~300W Desk type public address amplifier	CKY-1T/C	13.0kg	IP22
6.	50W~300W Flush type public address amplifier	CKY-1Q/C	12.0kg	IP22
7.	50W~300W Desk type public address amplifier	CKY-1T/D	13.0kg	IP22
8.	50W~300W Flush type public address amplifier	CKY-1Q/D	12.0kg	IP22
9.	50W~300W Desk type public address amplifier	CKY-1T/DY	12.5kg	IP22
10.	50W~300W Flush type public address amplifier	CKY-1Q/DY	12.0kg	IP22
11.	Flush type PA main remote control station	YKQ-1Z	1.0kg	IP22
12.	Wall mounted PA remote control station	YKG-1Z	1.2kg	IP44
13.	Flush type PA remote control station	YKQ-1	1.0kg	IP22
14.	Wall mounted PA remote control station	YKG-1	1.2kg	IP44
15.	Weather proof PA remote control station (ABS)	YKG-1F	3.3kg	IP56
16.	Ex.proof PA remote control station	YKG-1E	2.82kg	IP44
17.	IS barrier	AQ-3	0.9kg	IP44
18.	Explosion-Proof Remote Station for Public Address	YKG-1/2E	3.8kg	IP44
19.	Safety Barrier Adapter Box	AQ Z-1	6.4kg	IP44
20.	2X(50W~300W) Flush type public address amplifier	CKY-1QK	47-63kg	IP22
21.	2X(50W~1500W) Desk type public address amplifier	CKY-1TK	50-180kg	IP22
22.	Flush type PA main remote control station	YKQ-1ZK	1.0kg	IP22
23.	Wall mounted PA main remote control station	YKG-1ZK	1.2kg	IP44
24.	Flush type PA remote control station	YKQ-1K	1.0kg	IP22

System composition

No.	Name & specification	Type	Weight	IP Rating
25.	Wall mounted PA remote control station	YKG-1K	1.2kg	IP44
26.	Weather proof PA remote control station	YKG-1FK	3.3kg	IP56
27.	0.5W、1W、2W、3W、5W Flush type loudspeaker	YSQ	1.1kg	IP20
28.	0.5W、1W、2W、3W、5W Wall mounted loudspeaker	YSG	1.2kg	IP44
29.	0.5W、1W、2W、3W、5W Watertight loudspeaker	YSP	0.68kg	IP56
30.	0.5W、1W、2W、3W、5W Ceiling type loudspeaker	YSX	0.86kg	IP20
31.	0.5W、1W、2W、3W、5W Ceiling type loudspeaker	YSX	0.58kg	IP56
32.	0.5W、1W、2W、3W、5W Double-sided loudspeaker	YSS	1.2kg	IP20
33.	Volume control box	YTQ-1	0.1kg	IP20
34.	Horn-type loudspeaker (5W)	YHC5-1	1.24kg	IP56
35.	Horn-type loudspeaker(10W)	YHC10-1	1.24kg	IP56
36.	Horn-type loudspeaker(15W)	YHC15-1	1.92kg	IP56
37.	Horn-type loudspeaker (25W)	YHC25-1	1.92kg	IP56
38.	Horn-type loudspeaker (50W)	YHC50-1	11.18kg	IP56
39.	Horn-type loudspeaker (100W)	YHC100-1	11.38kg	IP56
40.	Horn-type loudspeaker (200W)	YHC200-1	13.2kg	IP56
41.	Wall mounted mic socket box	YCG-1	0.62kg	IP44
42.	Flush type mic socket box	YCQ-1	0.52kg	IP20
43.	Weather proof mic socket box	YCG-1F	3.3kg	IP56
44.	Port/starboard mic.box	YCQ-2/4	0.74kg	IP20
45.	Port/starboard mic.box	YCQ-2/7	0.74kg	IP20
46.	Port/starboard mic.box	YCG-2/4	0.74kg	IP44
47.	Port/starboard mic.box	YCG-2/7	0.74kg	IP44
48.	Weather proof port/starboard mic.box	YCG-2/4F	3.3kg	IP56
49.	Weather proof port/starboard mic.box	YCG-2/7F	3.3kg	IP56
50.	Manual rotary platform	YXT-1	16.0kg	IP56
51.	Electric remote rotary platform	YXD-1	22kg	IP56
52.	电动转台控制器 Rotary platform controller	YXD-1K	1.4kg	IP20
53.	0.5W、1W、2W、3W、5W、10W、15W、25W Explosion proof loudspeaker	YHE	5.0-8.0kg	IP56
54.	5W、10W、15W、25W Explosion proof tweeter	YHE-1	5.0-8.0kg	IP56
55.	Fiberglass antenna	HTX-3/HTX-1	1.6kg/1.0kg	IP56

Adopt standard

- ① Chapter 2,Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships 2023 and its Change Notices;
- ② Chapter VII of International life-saving appliance code, annex, as amended by msc.218(82);
- ③ IMO resolution A.1021 (26) code on "Alarm and indicators,2009".

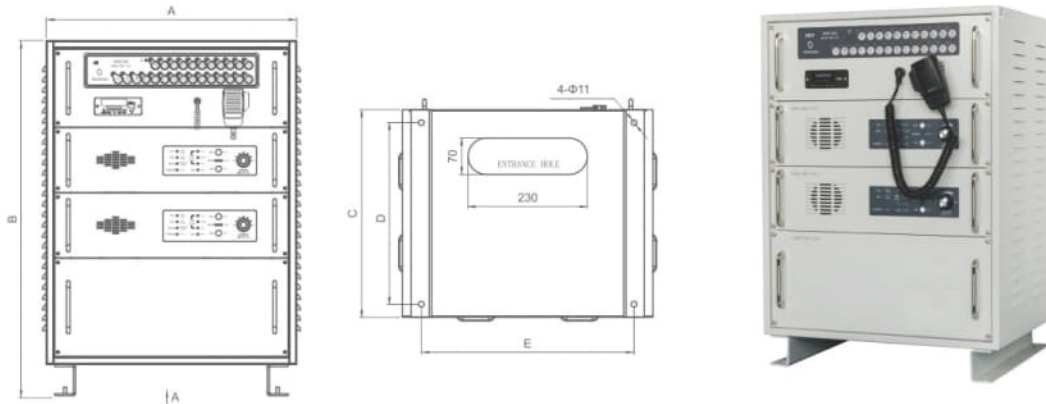
Type and configuration of marine amplifier

No.	Configuration	CKY-1Q/A	CKY-1T/B	CKY-1T/C CKY-1Q/C	CKY-1T/D CKY-1Q/D	CKY-1T/DY CKY-1Q/DY	CKY-1TK CKY-1QK	CKY-1T CKY-1Q
		Flush type	Desk type	Desk type/ Flush type	Desk type/ Flush type	Desk type/ Flush type	Desk type/ Flush type	Desk type/ Flush type
1.	Amplifier No.	1	1	1	1	1	2	2
2.	Audio amplifier output power	50~300W	50~300W	50~300W	50~300W	50~300W	50~1500W	50~1500W
3.	FM reception, MP3 playing, MIC amplification	√	√	√	√	√	√	√
4.	Automatic telephones link with amplifiers	√	√		√	√	√	√
5.	Interface of general alarm	√	√		√	√	√	√
6.	Power failure alarm	√	√	√	√	√	√	√
7.	Built in 5W monitor loudspeaker	√	√	√	√	√	√	√
8.	PA with whistle function	√			√	√		
9.	Host MIC emergency speech	√	√		√	√	√	√
10.	When shouted output the other ways are forced to close	√	√	√	√	√	√	√
11.	Shout, deck, cabin, position 4 output	√	√	√	√	√		
12.	Shout,deck1/2,cabin1/2,position1/2 7 way output						√	√
13.	Position,cabin force full volume output power	√	√	√	√	√		
14.	Cabin1/2,position1/2 force full volume output power						√	√
15.	Quantity of control station	8	8			4	8	8
16.	Remote console with 4 - way speaker selection output	√	√			√		
17.	Remote console with 7 - way speaker selection output						√	√
18.	The main remote control console emergency speech	√	√			√	√	√
19.	The main remote control can be remote to turn on,select single way or multiway loudspeaker ouuput	√	√			√	√	√
20.	Talk back between the remote control station.	√	√			√	√	√
21.	Automatic switching of main and standby power, uninterrupted power supply	√	√	√	√	√	√	√
22.	Portable VHF wireless remote control						※	※
23.	Double machine connected						※	

Note: "√" Means applicable, "※" Means option.

CKY-1T

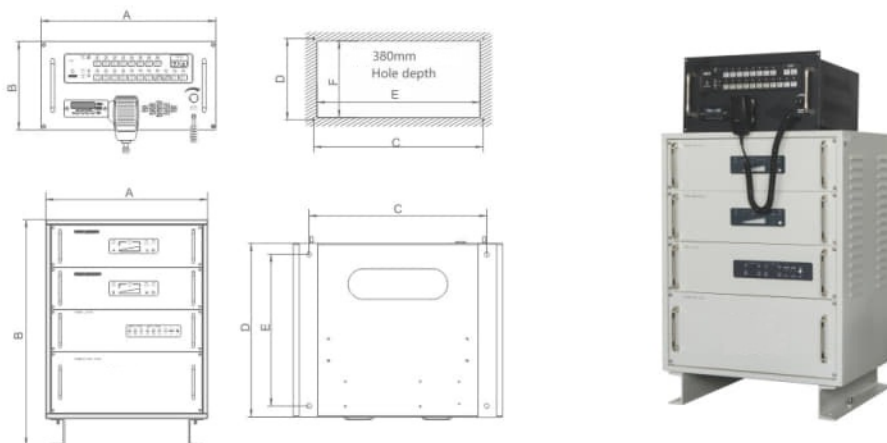
Desk type public address amplifier/Desk type public address amplifier(Passenger ship)



NO.	Power	(A/B/C/D/E/F)mm Size	Power consumption W	Power supply	Colour	Shell material	IP rating	Weight (kg)
1	2×50	483/893/400/410/350	2×150	2×AC220V ±10% 2×DC24V±10% (Cargo ship) 4×AC220V ±10% 2×DC24V±10% (Passenger ship)	White RAL7035	Q235B	IP22	60
2	2×100		2×250					60
3	2×200		2×500					65
4	2×300	483/894/400/350/410	2×800	72				
5	2×400		2×1200	75				
6	2×1000	600/1643/646/600/564/440	2×2000	4×AC220V ±10% 2×DC24V±10% 6×AC220V ±10% (Passenger ship)				200
7	2×1500		2×3000					220

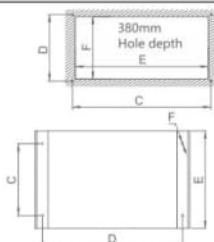
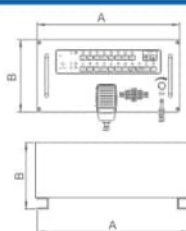
CKY-1Q/CKY-1QK

Flush type public address amplifier/Flush type public address amplifier(Passenger ship)



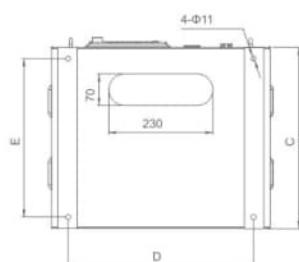
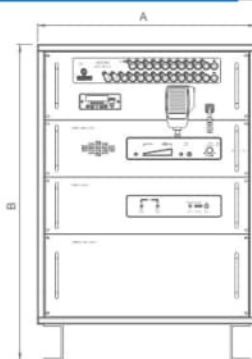
NO.	Power	(A/B/C/D/E/F)mm Control section size	(A/B/C/D/E/F)mm Power amplifier part size	Power consumption	Power supply	Colour	Shell material	IP rating	Weight kg
1	2×50	365/185/354/ 170/341/163	483/674/410 /401/350	2×150	2×AC220V±10% 2×DC24V±10%; (Cargo ship) 4×AC220V±10% 2×DC24V±10% (Passenger ship)	Control part: Dull Black Power amplifier part: White RAL7035	Q235B	IP22	65
2	2×100			2×250					65
3	2×200			2×500					75
4	2×300			2×800					75

CKY-1Q/A Flush type marine public address amplifier



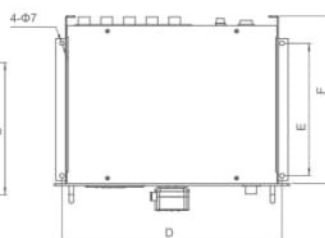
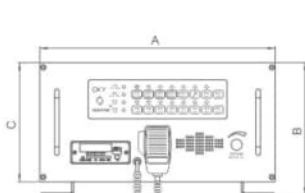
NO.	Power	(A/B/C/D/E/F)mm Control section size	(A/B/C/D/E/F)mm Power amplifier part size	Power consumption W	Power supply	Colour	Shell material	IP rating	Weight kg
1	50	365/185/354/170/341/163	410/180/195/380/265/Φ7	150	AC220V±10%; DC24V±10%	Control part: Dull Black Power amplifier part: White RAL7035	Q235B	IP22	28
2	100			250					28
3	200		439/205/250/386/355/Φ9	500					30
4	300			800					35

CKY-1T/B Desk type marine public address amplifier



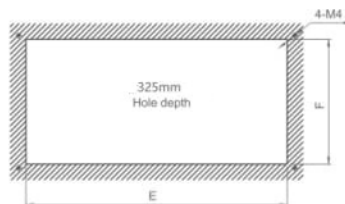
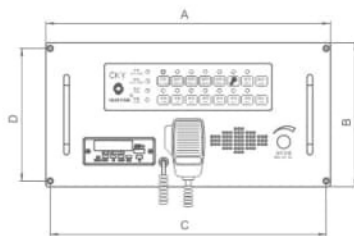
NO.	Power	(A/B/C/D/E/F)mm Size	Power consumption	Power supply	Colour	Shell material	IP rating	Weight kg
1	50	483/699/400/410/350	150	AC220V±10%; DC24V±10%	White RAL7035	Q235B	IP22	50
2	100		250					50
3	200		500					55
4	300		800					55

CKY-1T/C CKY-1T/D CKY-1T/DY Desk type marine public address amplifier



NO.	Power	Size (A/B/C/D/E/F)mm	Power consumption W	Power supply	Colour	Shell material	IP rating	Weight kg
1	50	365/205/185/341/205/260	150	AC220V±10%; DC24V±10%	Dull Black	Q235B	IP22	13
2	100		250					13

CKY-1Q/C CKY-1Q/D CKY-1Q/DY Flush type marine public address amplifier



NO.	Power	Size (A/B/C/D/E/F)mm	Power consumption	Power supply	Colour	Shell material	IP rating	Weight kg
1	50	365/185/354/170/335/160	150 W	AC220V $\pm 10\%$; DC24V $\pm 10\%$	Dull Black	Q235B	IP22	11
2	100		250 W					11

YKQ-1Z YKQ-1ZK Main remote station for public address Flush type

(Specification)

Capacity: 4way/7way

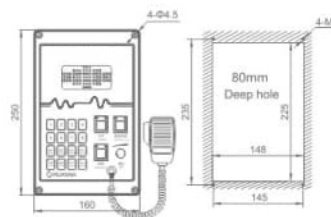
Colour : Dull black

Shell material: ABS

Moniter loudspeaker: >75dB

IP rating: IP22

It could connection the mic socket.



YKQ-1 YKQ-1K Remote station for public address (Flush type)

(Specification)

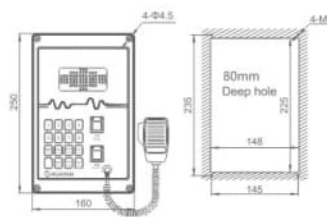
Capacity: 4way/7way

Colour: Dull black

Shell material: ABS

Moniter loudspeaker: >75dB

IP rating: IP22



YKG-1Z YKG-1ZK YKG-1 YKG-1K Remote station for public address (Wall mounted)

(Specification)

Capacity: 4way/7way

Colour: Dull black

Shell material: ABS

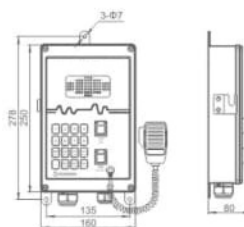
Cable gland: PG25;PG16

Moniter loudspeaker: >75dB

IP rating: IP44

YKG-1Z YKG-1ZK

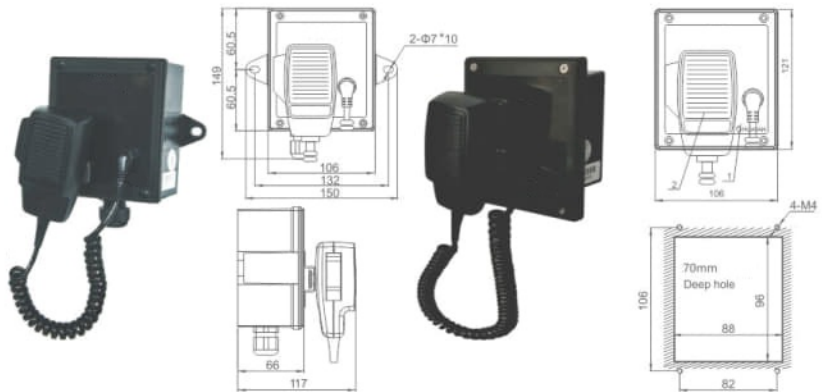
It could connection the mic socket



YCG-1 YCQ-1 Mic socket box

(Specification)

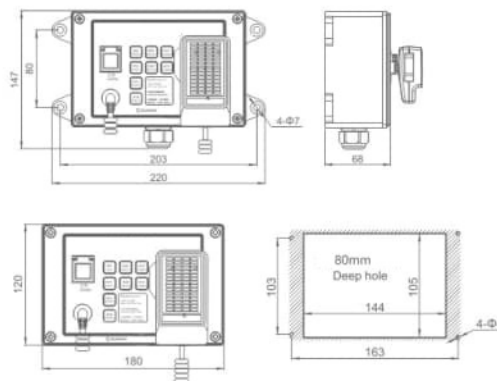
Colour: Dull black
Shell material: ABS
Cable gland: PG16
IP rating: IP44 (Wall-mounted)
IP20 (Embedded)



YCG-2/4 YCG-2/7 YCQ-2/4 YCQ-2/7 Port and starboard mic box

(Specification)

Capacity: 4way/7way
Colour: Dull black
Shell material: ABS
Cable gland: PG16
IP rating: IP44 (Wall-mounted)
IP20 (Embedded)



YKG-1E YKG-1EK (AQ-3)

Explosion proof remote station for public address (AQ-3 IS barrier)

(Specification)

Capacity: 4 way/7way
Colour: Dull black
Shell material: Q235B/ABS
Cable gland: Stainless steel
Explosive-proof Grade: Ex ib IIC T6 Gb/[Ex ib Gb] IIC
IP rating: IP44

AQ-3 IS barrier is Equipped with explosion proof remote station for public address



YKG-1/2E (AQZ-1)

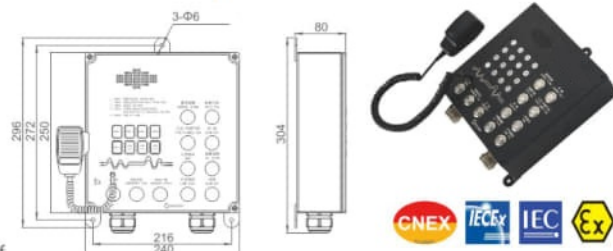
Explosion-Proof Remote Station for Public Address (AQZ-1 Safety Barrier Adapter Box)

(Specification)

Capacity: 4way/7way
Colour: Dull black
Shell material: Q235B/ABS
Cable gland: Stainless steel
Explosive-proof Grade: Ex ib IIC T4 Gb/
Ex ib IIC T6 Gb/[Ex ib Gb] IIC

IP rating: IP44

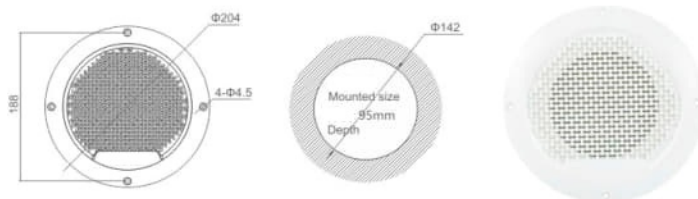
AQZ-1 Safety Barrier Adapter Box is Equipped with Explosion-Proof Remote Station for Public Address



YSX-0.5/1/2/3/5W Ceiling type loudspeaker

(Specification)

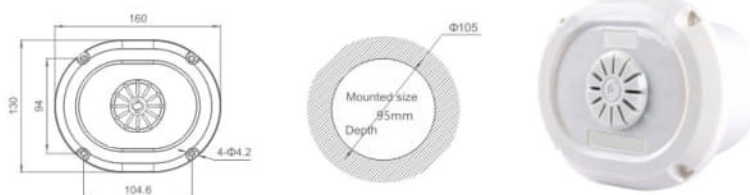
Colour : Magnetic white
 Shell material: ABS
 Steady voltage input: 120V
 IP rating: IP20
 Power and sound level :
 0.5W/78dB $\pm$ 3dB; 1W/80dB $\pm$ 3dB; 2W/84dB $\pm$ 3dB;
 3W/87dB $\pm$ 3dB; 5W/92dB $\pm$ 3dB
 Three lines connection type
 Full volume output
 With short circuit protection fuse



YSX-0.5/1/2/3/5W Ceiling type loudspeaker

(Specification)

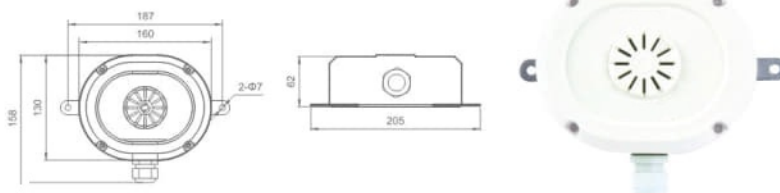
Colour: Magnetic white
 Shell material: ABS
 Cable gland: 2-PG16
 Steady voltage input: 120V
 IP rating: IP56
 Power and sound level:
 0.5W/78dB $\pm$ 3dB; 1W/80dB $\pm$ 3dB; 2W/84dB $\pm$ 3dB;
 3W/87dB $\pm$ 3dB; 5W/92dB $\pm$ 3dB
 Three lines connection type
 Full volume output
 With short circuit protection fuse



YSP-0.5/1/2/3/5W Watertight loudspeaker

(Specification)

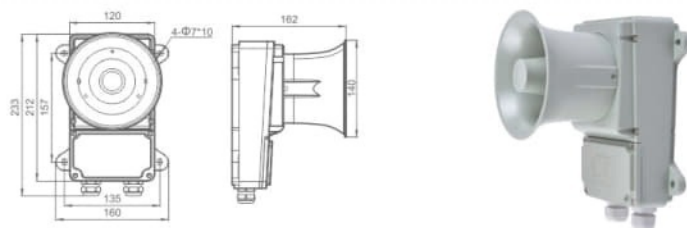
Colour: Magnetic white
 Shell material: ABS
 Cable gland: PG16
 Steady voltage input: 120V
 IP rating: IP56
 Power and sound level:
 0.5W/78dB $\pm$ 3dB; 1W/80dB $\pm$ 3dB; 2W/84dB $\pm$ 3dB;
 3W/87dB $\pm$ 3dB; 5W/92dB $\pm$ 3dB
 Three lines connection type
 Full volume output
 With short circuit protection fuse



YHC5-1 YHC10-1 Horn-type loudspeaker

(Specification)

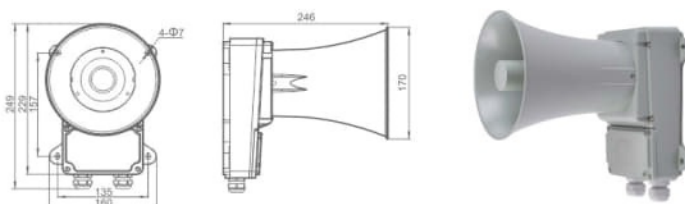
Shell material: ABS
 Cable gland: 2-M20x1.5
 Steady voltage input: 120V
 IP rating: IP56
 Power and sound level:
 5W/105dB $\pm$ 3dB; 10W/109dB $\pm$ 3dB
 Two lines connection type
 With short circuit protection fuse



YHC15-1 YHC25-1 Horn-type loudspeaker

(Specification)

Shell material: ABS
 Cable gland: 2-M20x1.5
 Steady voltage input: 120V
 IP rating: IP56
 Power and sound level:
 15W/115dB $\pm$ 3dB; 25W/119dB $\pm$ 3dB
 Two lines connection type
 With short circuit protection fuse

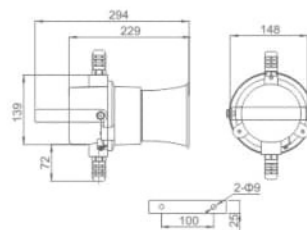


YHE Explosion-Proof Loudspeaker

(Specification)

Colour: Grey
 Cable gland: Stainless steel
 Explosive-proof Grade:  II 2G Ex db IIC T5 Gb
 IP rating: IP56
 Rating power: 0.5W, 1W, 2W, 3W, 5W, 10W, 15W, 25W
 Steady voltage Input: AC120V
 Sound level:

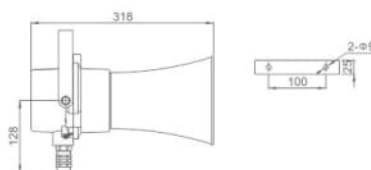
power	0.5W	1W	2W	3W	5W	10W	15W	25W
	≥ 85dB	≥ 89dB	≥ 92dB	≥ 94dB	≥ 97dB	≥ 101dB	≥ 103dB	≥ 105dB



YHE-1 Explosion-proof Loudspeaker

(Specification)

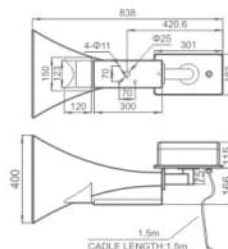
Colour: Grey
 Cable gland: Stainless steel
 EX rating: Exdb ib IIC T6 Gb
 IP rating: IP56
 Rating power: 5W/10W/15W/25W
 Steady voltage Input: AC120V
 Sound level: 85dB±5dB



YHC50-1 YHC100-1 YHC200-1 Horn-type loudspeaker

(Specification)

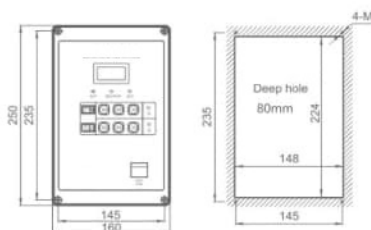
Colour: Magnetic white
 Shell Material: SMC
 Cable Gland: PG9
 Steady Voltage Input: 120V
 IP rating: IP56
 Power And Sound Level:
 50W/115dB±3dB; 100W/118dB±3dB; 200W/127dB±3dB
 Two lines connection type
 With short circuit protection fuse



YXD-1K Electric rotary platform controller

(Specification)

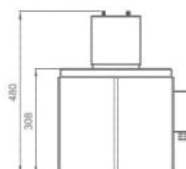
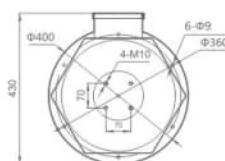
Colour: Dull black
 Shell material: ABS
 Power supply: DC24V
 IP rating: IP20
 Rotation degree control:
 Left and right 30°/60°/90°/270° (omnidirectional)
 The cable connect to electric remote rotary platform is 6 wires



YXD-1 Electric rotary platform

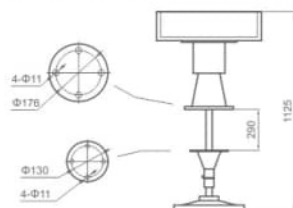
(Specification)

Colour: White RAL7035
 Shell material: SUS
 Cable gland: PG25 2-PG13.5
 IP rating: IP56

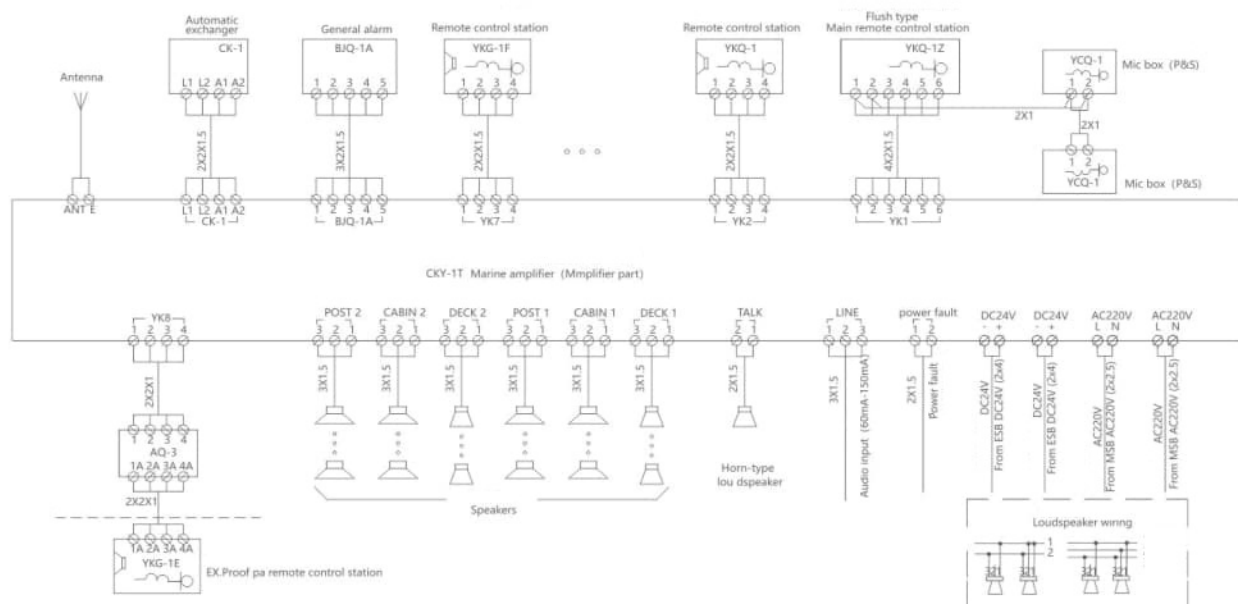


YXT-1 Manual rotary platform

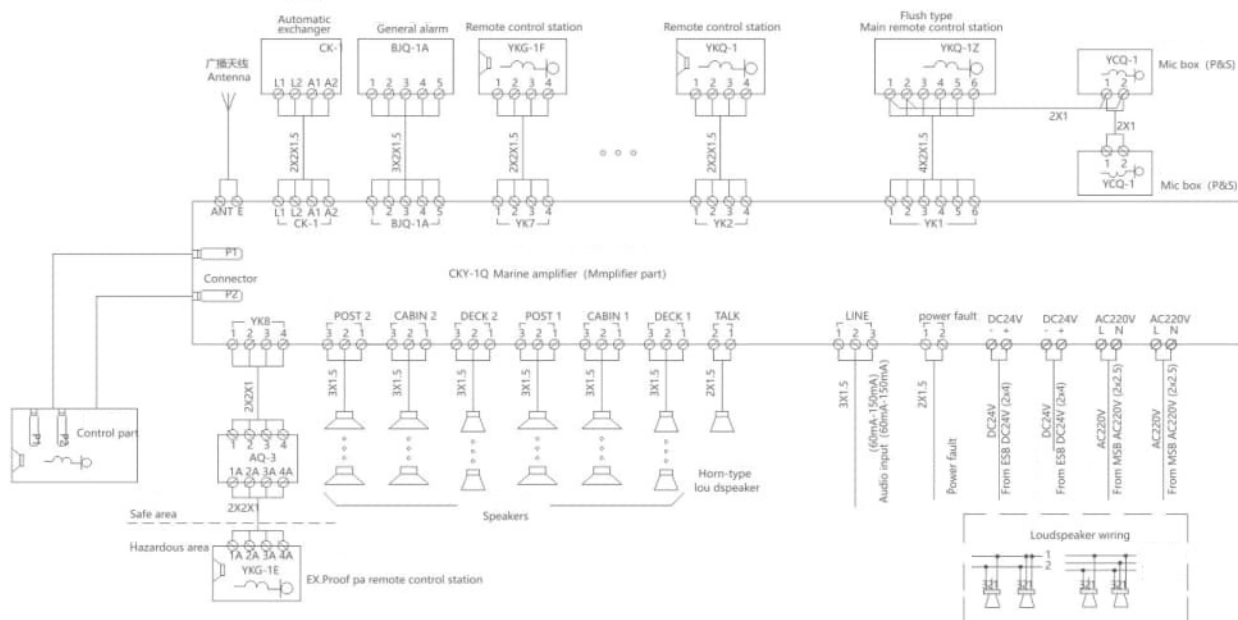
Specification
 Colour: White RAL7035
 Shell material: Q235B
 Rotation degree: 350°
 IP rating: IP56



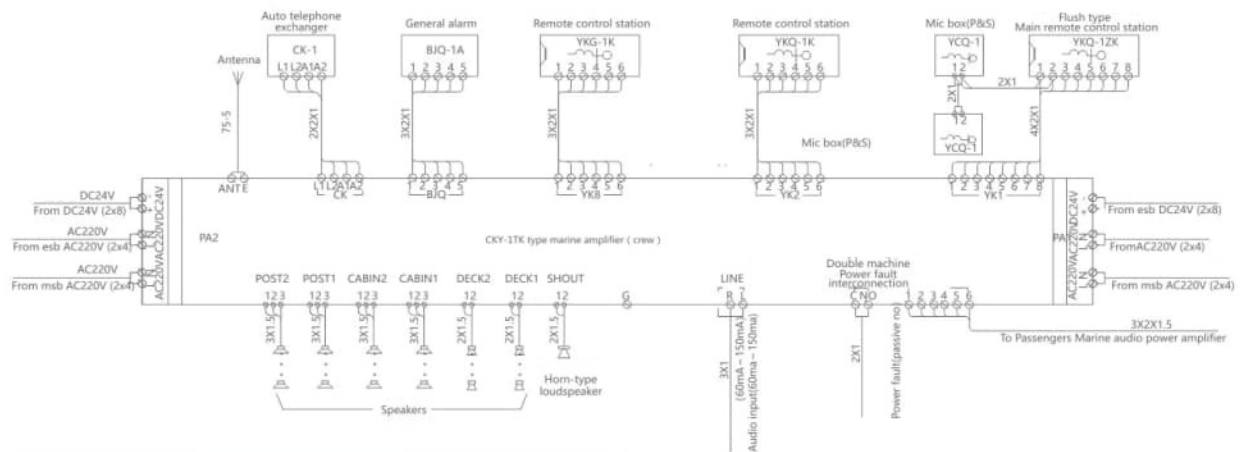
CKY-1T System wiring schematic drawing



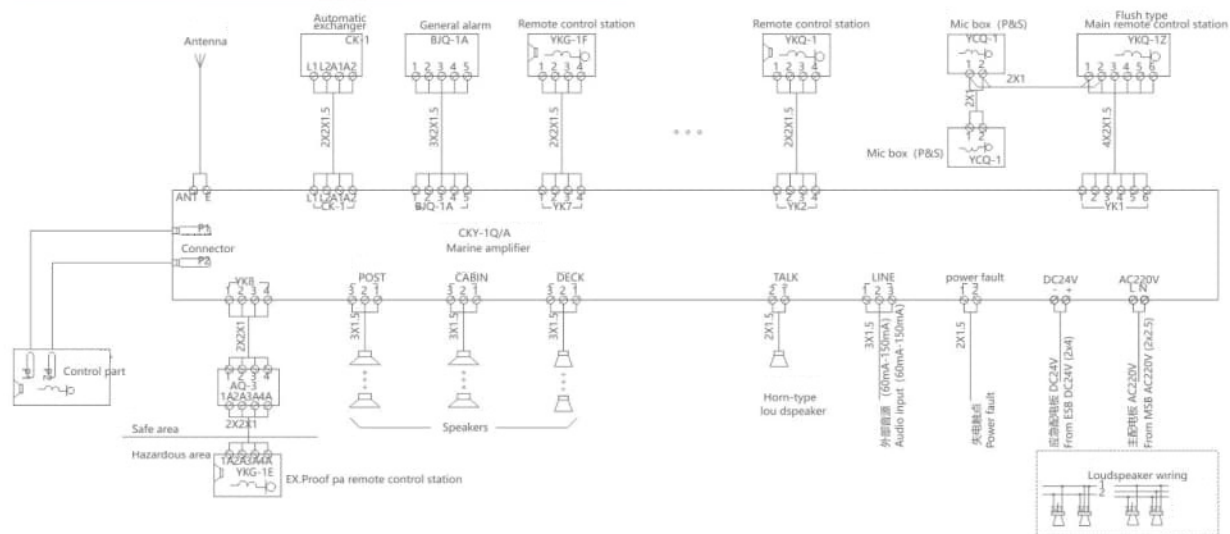
CKY-1Q System wiring schematic drawing



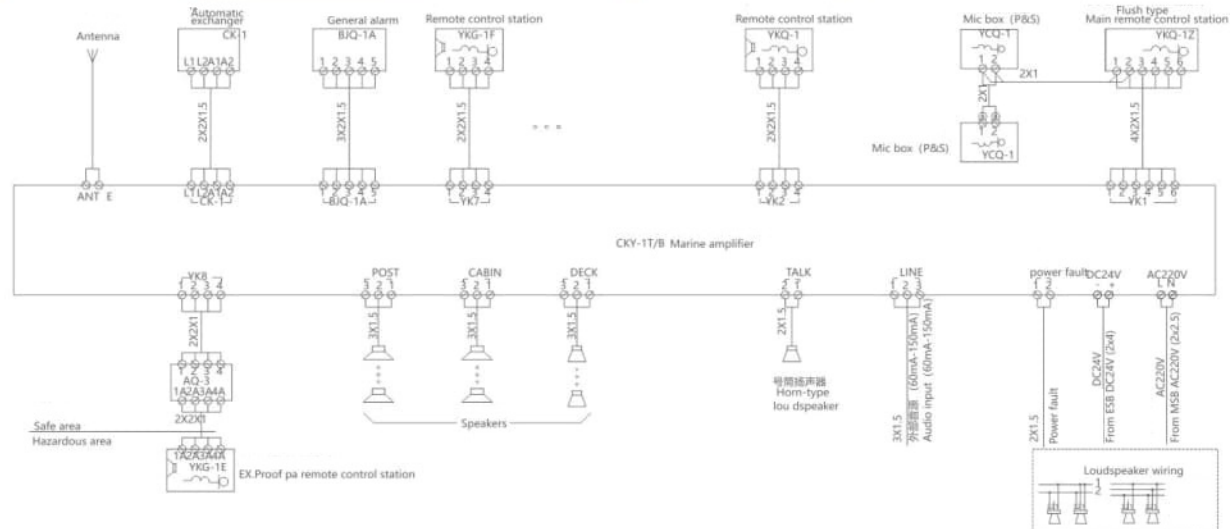
CKY-1T/K System wiring schematic drawing



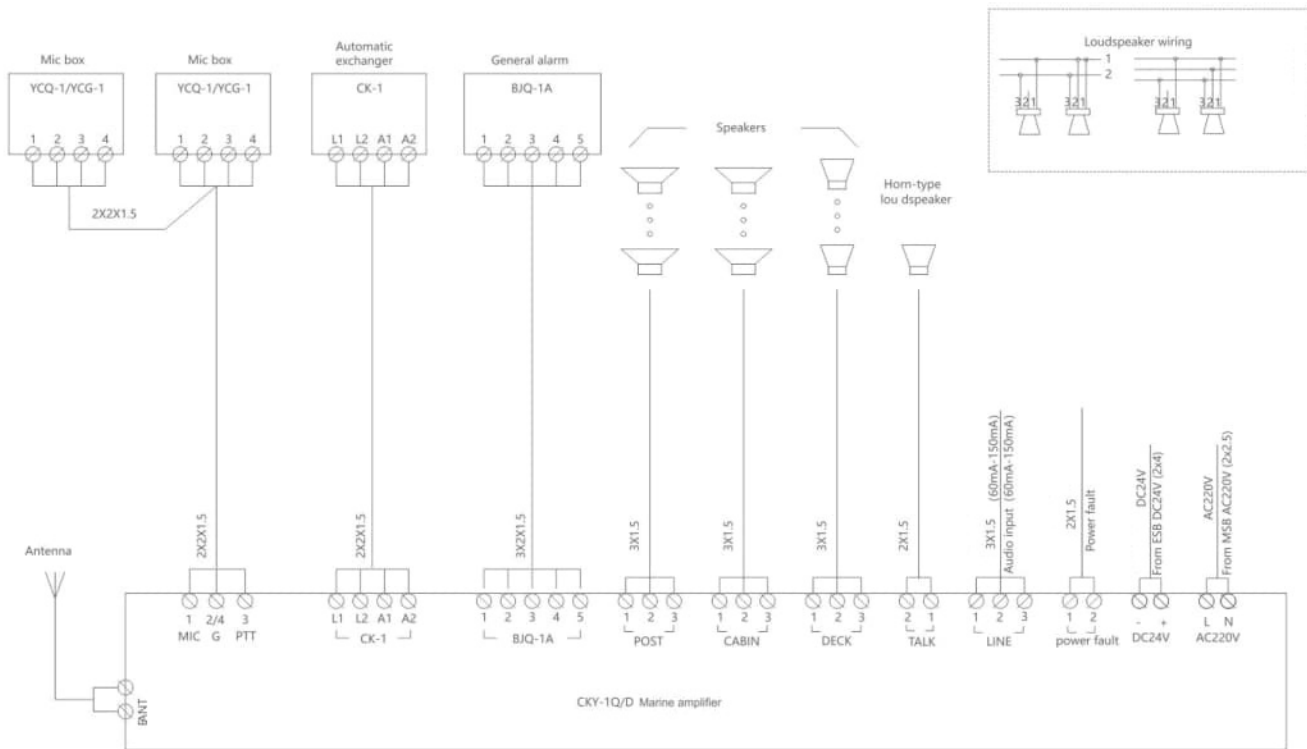
CKY-1Q/A System wiring schematic drawing



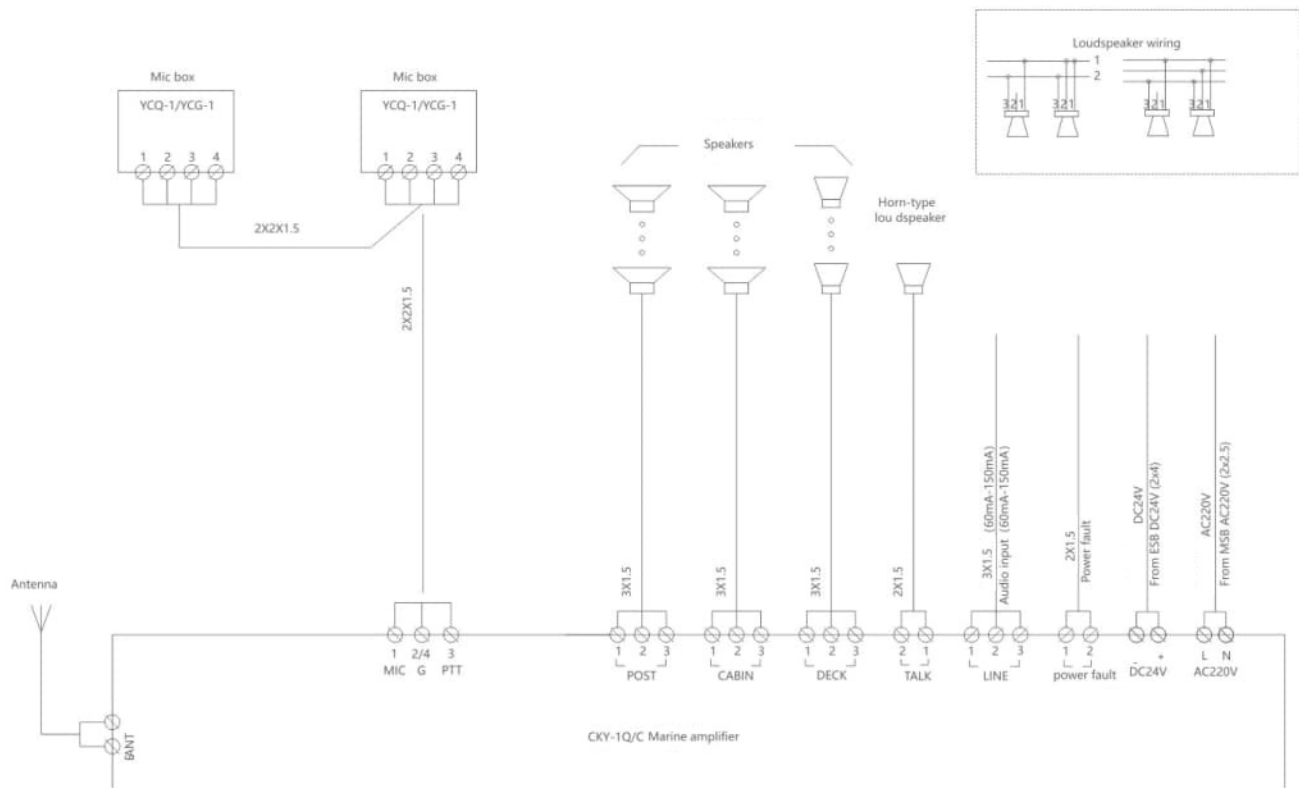
CKY-1T/B System wiring schematic drawing



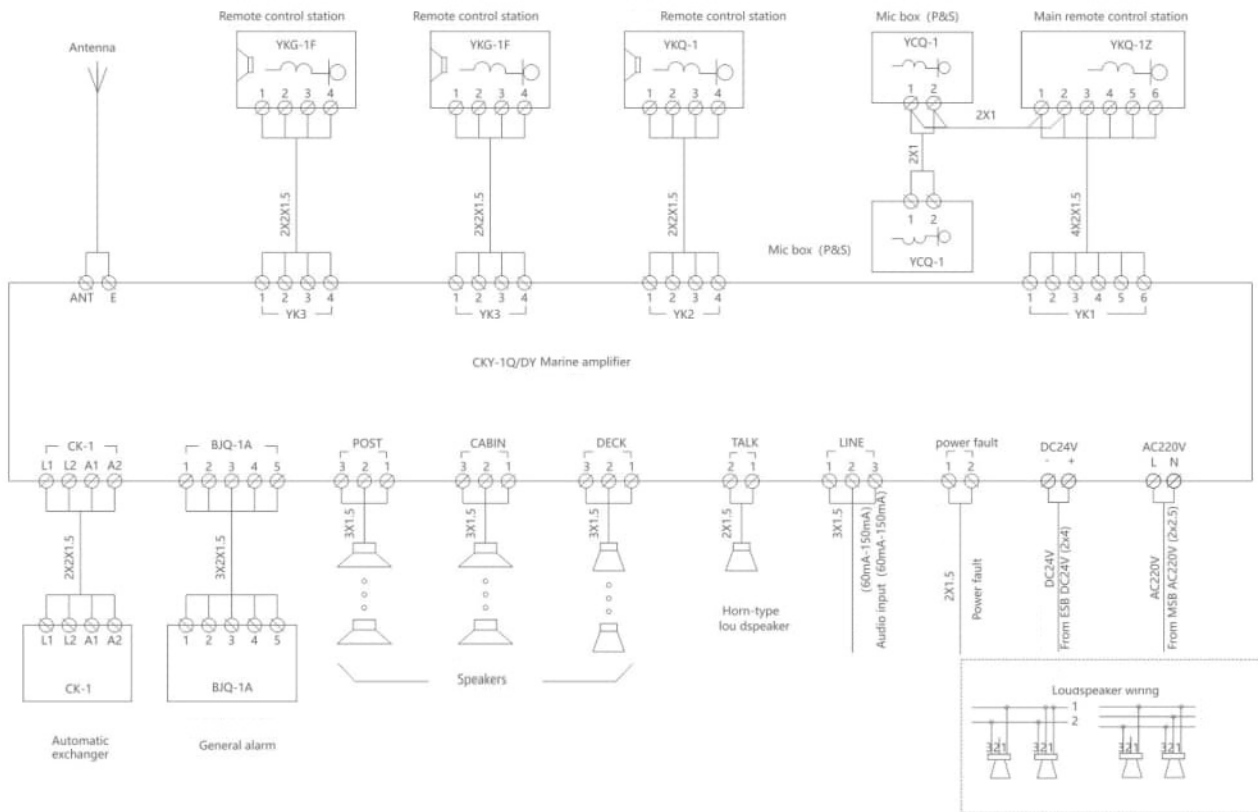
CKY-1Q/D System wiring schematic drawing



CKY-1Q/C System wiring schematic drawing



CKY-1Q/DY System wiring schematic drawing



Wiring diagram of passenger ship safe return to port system

