JIWU TECH

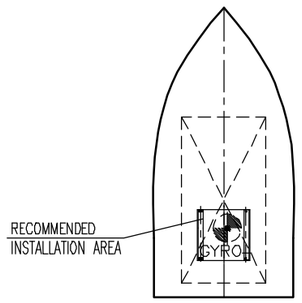
STABILIZED BY GYROSCOPIC POWER

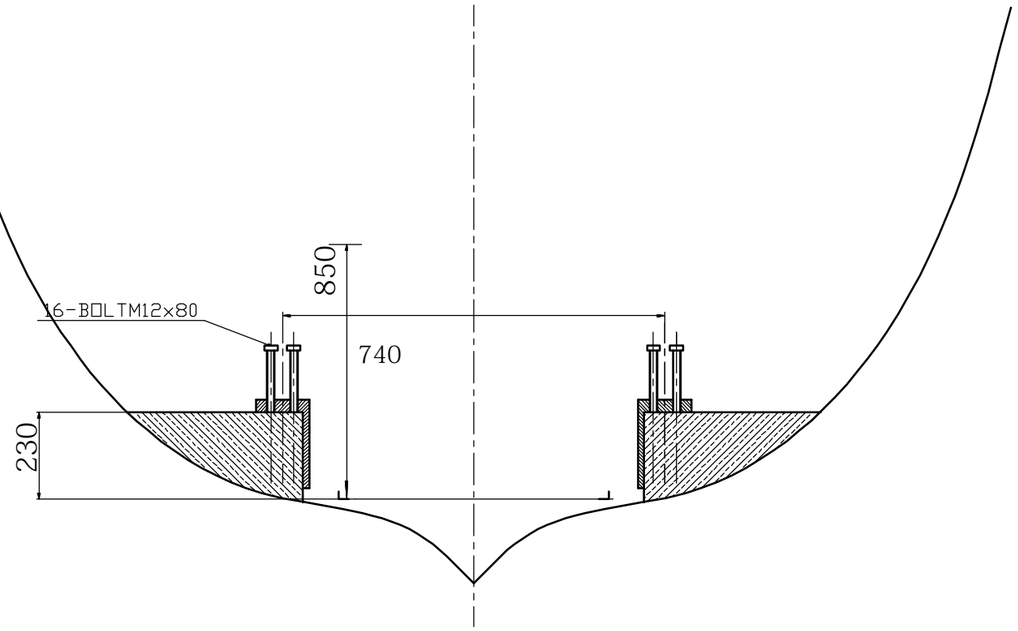
Product information

JW-10

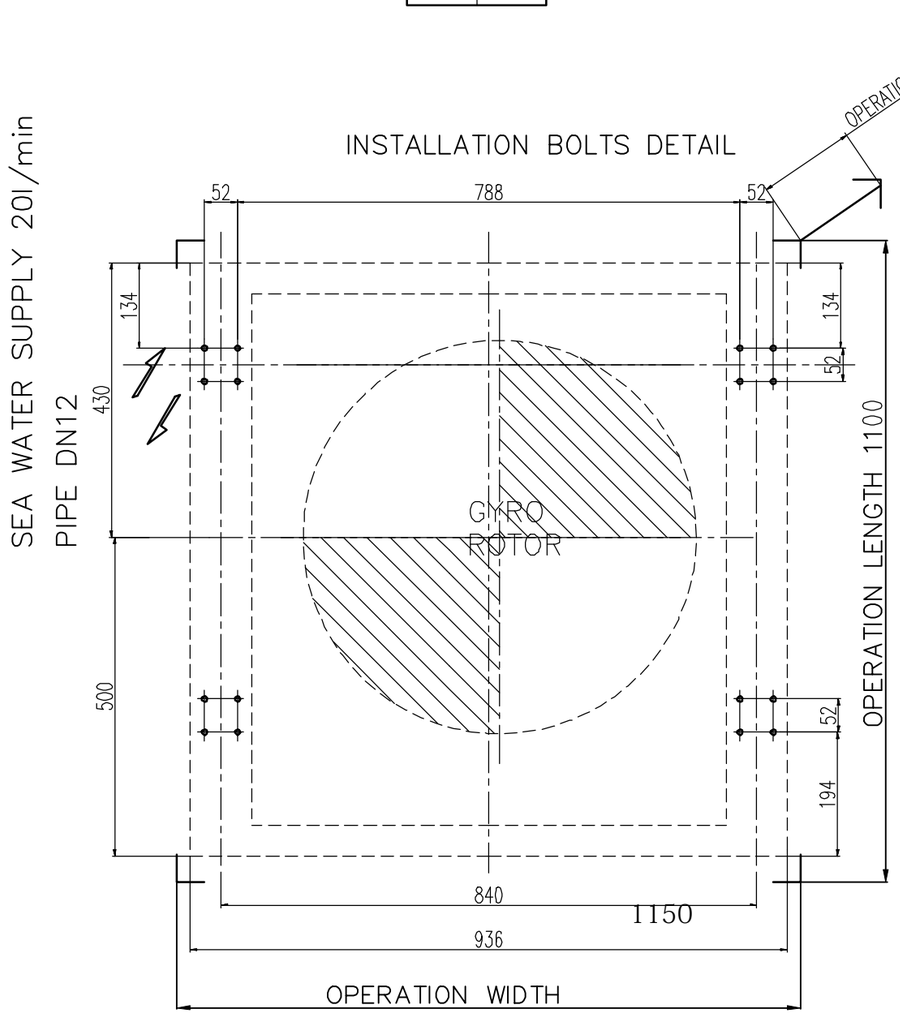
For Boats	About 65’ (up to 40 tons)
Weight	640 kg±5%
Dimensions	936×936×692 mm
Rated Speed	8000 RPM
Angular Momentum at Rated RPM	10000 N-M-S
Anti-Rolling Torque at Rated RPM	31500 N-M
Spool-up Time to Rated RPM	50 min
Spool-up Time to Stabilization (70% Rated RPM)	30 min
Spool-up Power	2500 W
Operating Power	2000 W - 3000 W
AC Input	AC220V，50/60HZ
Sea Water Supply to Heat Exchanger	20 LPM
Ambient Air Temprature	-20-60 ℃
Noise Output	68 - 72 dB

GYRO LOCATION ON BOAT





INSTALLATION BOLTS DETAIL



OPERATION SPACE> 1150×1100×850mm

NOTES

1. GYRO SUPPORT STRUCTURE MUST BE PARALLEL TO VESSEL
2. THE MOUNTING BASE AND BOLTS SHOULD HAVE ENOUGH INTENSITY TO WITHSTAND 85NM OF TORQUE.
3. THE RELATIVE POSITION OF EACH BOLT HOLE CENTER IS 0.5MM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED				
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2018/11/12	

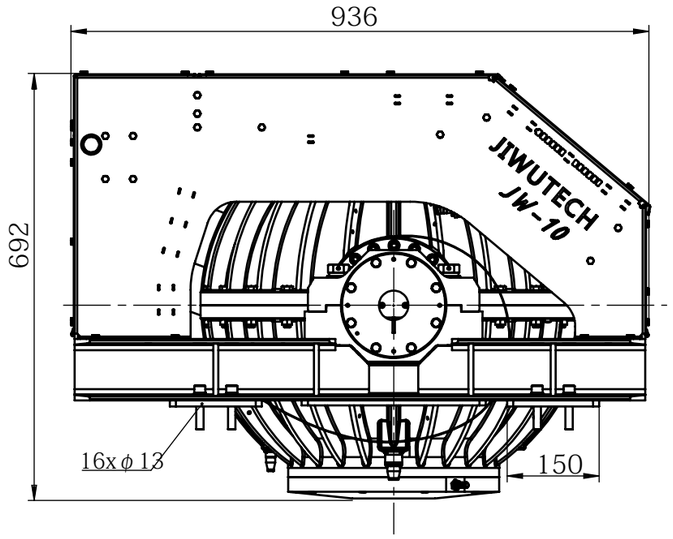
INSTALLATION BOLT DETAIL

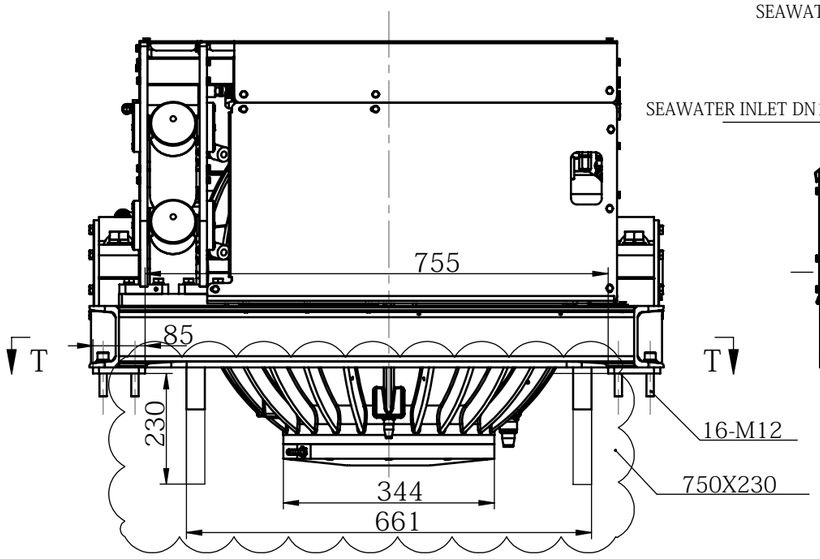
JW-10.00.01

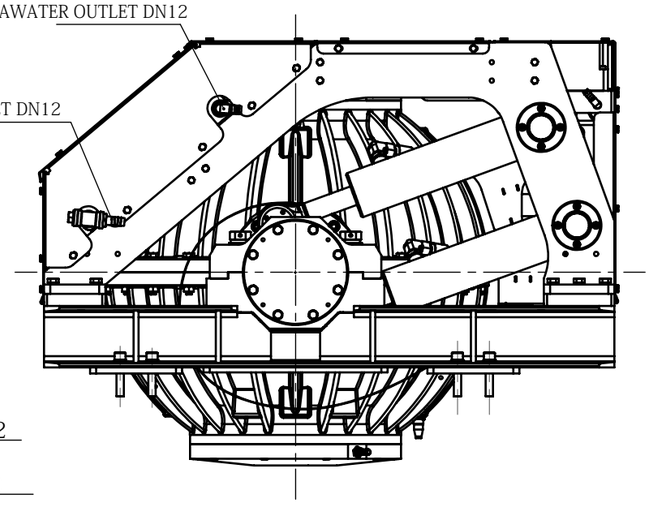
STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

TOTAL PAGES | PAGE

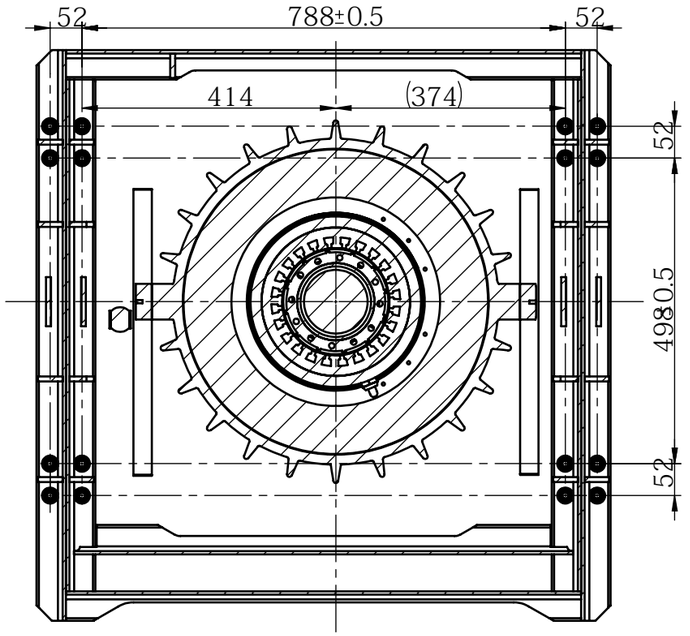
SHANGHAI JIWU TECH

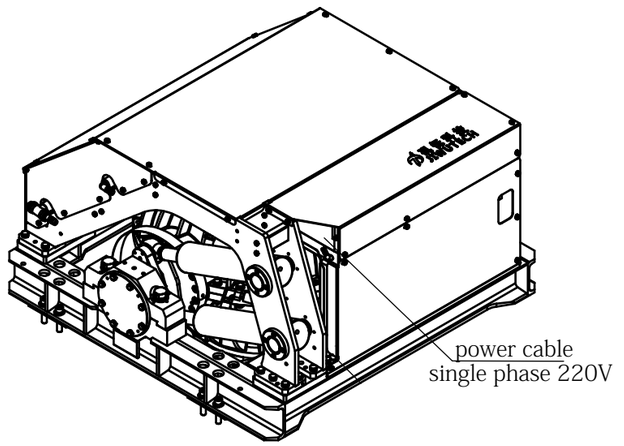






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NOTES

1.MOTOR POWER IS 3 KILOWATT,VOLTAGE IS 220V, SINGLE PHASE.
2.SEA WATER COLLING REQUIREMENT IS 15~30 LPM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED				
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2018.4	

JW-10K

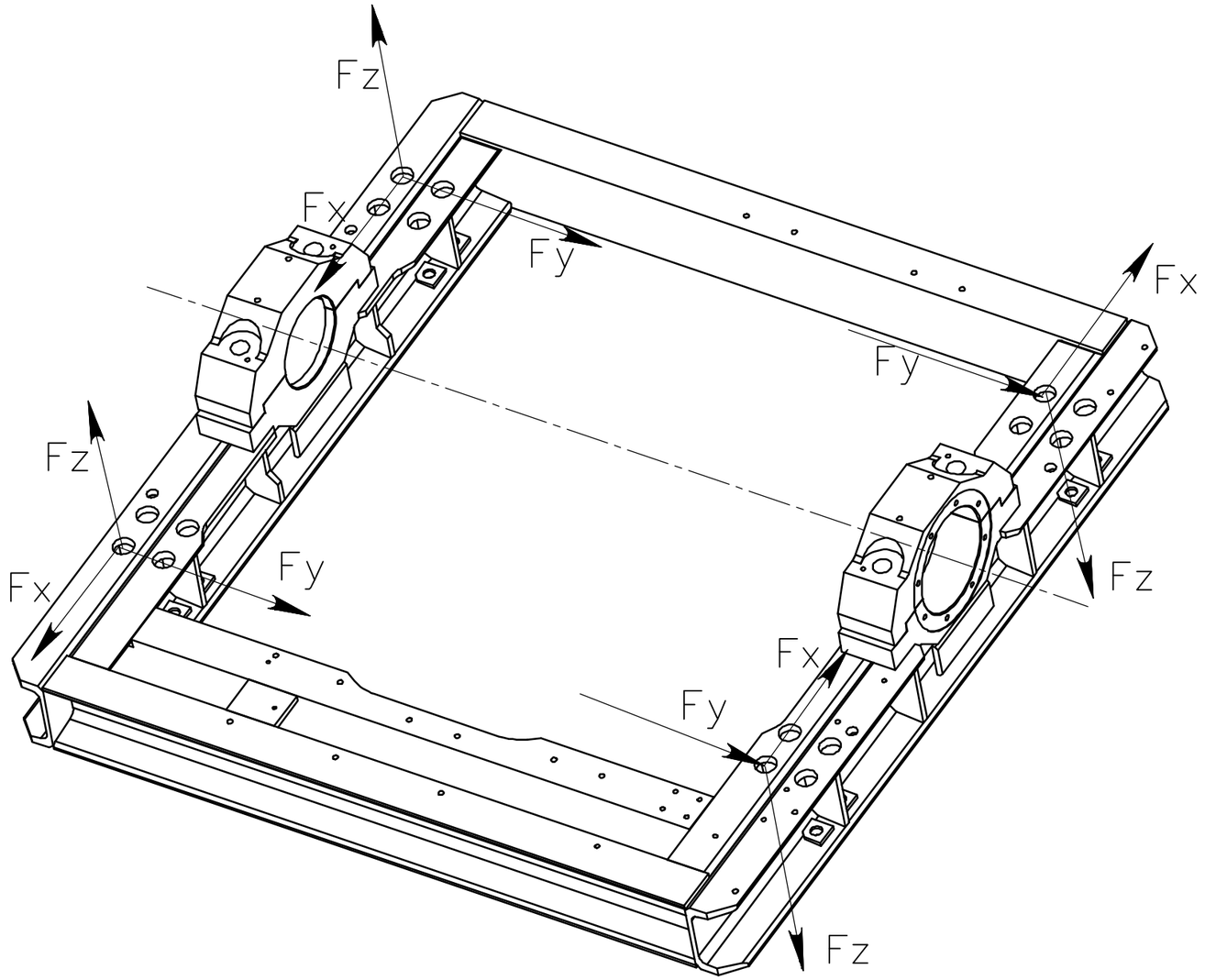
GYRO STABILIZER
DIMENSION

JW-10.00.02

STAGED MARKING	WEIGHT(KG)	SCALE
	696.72	1:10

TOTAL OAGES | PAGE

SHANGHAI JIWU TECH



NOTES

1. THE INFLUENCE OF THE LOAD TRANSMITTED BY GYRO STABILIZER ON SHIP STRUCTURE SHOULD BE CONSIDERED WHEN DESIGNING MOUNTING BASE. THE LEFT FIGURE SHOWS THE FORCE CONDITION OF THE JOINT BOLTS.
   VERTICAL FORCE (Fz): 20kN
   LONGITUDINAL FORCE (Fx): 10kN
   LATERAL FORCE (Fy): 1.3kN
2. 3 IS RECOMMENDED FOR THE SAFETY FACTOR OF THE MOUNTING BASE INTENSITY DESIGN.
3. MOUNTING BASE INSTALLATION PARTS LIST :

NO.	NAME	MATERIAL	TOTAL
1	PLATE	POM	4
2	BOLT M12 GB70.1	12.9	16
3	FLAT WASHER 12 GB97.1	200HV	16
4	SPRING WASHER 12 GB93	65Mn	16

4. REMOVABLE THREAD GLUE (EG. LOCTITE 243) SHOULD BE USED WHEN INSTALLING BOLTS WITH TIGHTENING TORQUE OF 90NM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED				
CRAFT			APPROVE	CHENSHAONAN
STANDARD			DATE	2018/11/12

GYRO FOUNDATION LOADS DETAIL

JW-10.00.03

STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

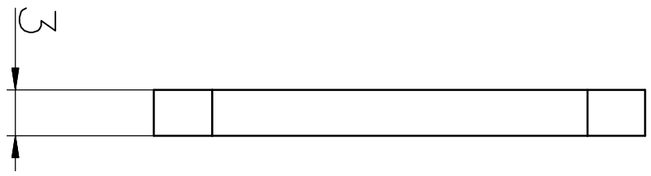
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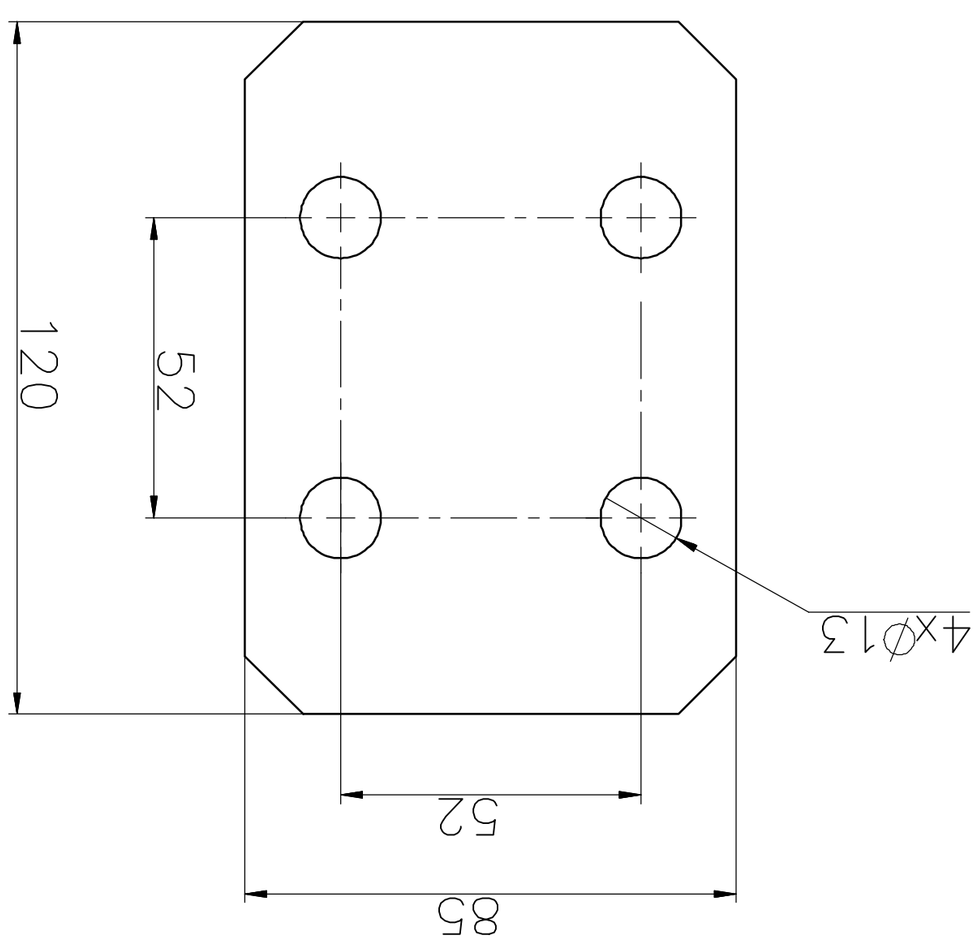
SHANGHAI JIWU TECH

MARKER	PLACES	FILE No.	SIGN	DATE

DESIGN	LUOLIN		
CHECKED			
CRAFT		APPROVE	CHENSHAONAN
STANDARD		DATE	2018/11/12

FOUNDATION PLATE	POM	SHANGHAI JIWU TECH
		TOTAL PAGES / PAGE
JW-10.00.04	STAGED MARKING / WEIGHT(kg) / SCALE 1:5	





JW-10.00.04

TOUCH SCREEN 128x102x32mm

(4x0.5mm^2)
CABLE

4 CORE QUICK CONNECTOR

TRVVSP- 4x0.5mm^2

USER SUPPLIED CABLE

3/2 CORE QUICK CONNECTOR
(380V/220V)

30cm (2x2.5mm^2)

CABLE

30cm (4x0.5mm^2)

CABLE

4 CORE QUICK CONNECTOR
(CONNECT WITH TOUCH SCREEN)

30cm (2x0.5mm^2)

SEA WATER PUMP
CONTROL SIGNAL
2 CORE QUICK
CONNECTOR

USER SUPPLIED CABLE

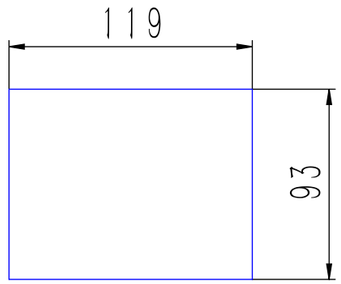
GYRO STABILIZER

SEA WATER PUMP

USER SUPPLIED CABLE

EXTERND COOLING WATER
PUMP POWER AUPPLY

HOLE SIZE FOR ASSEMBLING
TOUCH SCREEN



PARTS LIST

1、AMP1.5-4 MALE QUICK CONNECTOR x1 PEICE
2、AMP1.5-4 FEMALE QUICK CONNECTOR x1 PEICE
3、AMP4.5-3/SMH50-2 FEMALE QUICK CONNECTOR x1 PEICE
4、AMP4.5-2 FEMALE QUICK CONNECTOR x1 PEICE
5、AMP1.5-2 FEMALE QUICK CONNECTOR x1 PEICE
6、TOUCH SCREEN x1 PIECE

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CHECKED	LUOLIN			
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE		

GYRO ELECRIO
WIRING GUIDE

JW-10.00.05

STAGED MARKING	WEIGHT(Kg)	SCALE
		1:3

TOTAL PAGES PAGE

SHANGHAI JIWU TECH