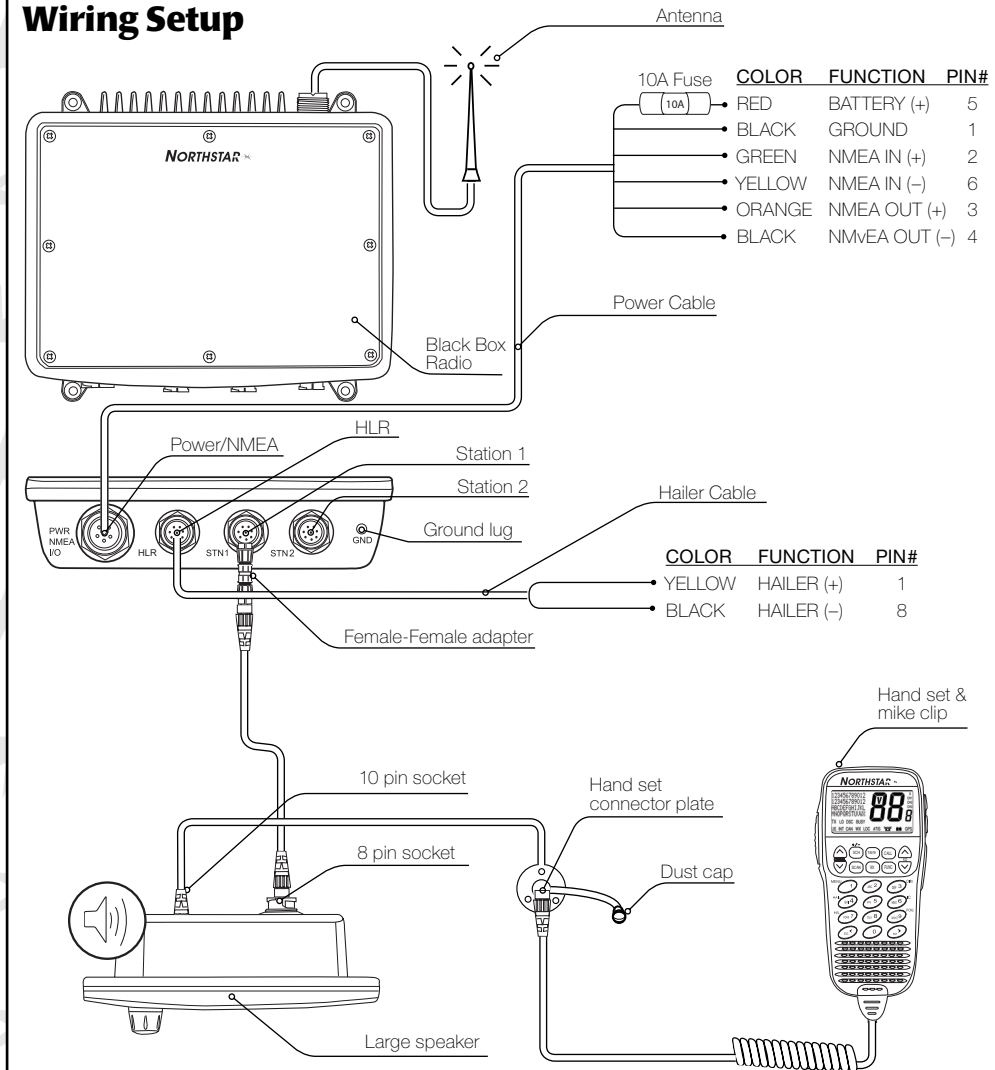


Parts Checklist

SINGLE SYSTEM (NS100SS)		PART CODE	
1 x VHF Black Box Radio (single)	APNSBB2E8070		
DUAL SYSTEM (NS100DS)		PART CODE	
1 x VHF Black Box Radio (dual)	APNSBB2E8080		
1 x Hailer Cable	PWNSBB2E7120		
ADDITIONAL WITH EACH SYSTEM		PART CODE	
1 x Hand set with cord (US)	APNSBB2E8030		
1 x Mic Plate - black	MMNSBB2E4000		
1 x Black Box to Speaker cord with Female-Female Adapter	WALI08L07KX0 WALI08F08FO		
3 x SS self tapping screws	MS35-20SPSX1		
1 x Mic Clip with magnet	APNSBB2E8050		
2 x SS self tapping screws for mic clip	MS35-20TSPX1		
1 x Large Speaker	APNSBB2E8060		
1 x Speaker Gasket	MPNSBB2E7040		
4 x Speaker tabs	PPNSBB2E3270		
4 x SS self tapping screws	MS35-20SPSX1		
4 x SS self tapping screws	MS35-20SPSX1		
1 x Power Cable w/tags	WALI06LXXX0		
1 x SS Grounding screw	MS30-06PSNX2		
1 x Spare 10A fuse	PKFU125V10A0		
1 x Mounting Template - Black Box	PPNSBB2E7080		

1 x Mounting Template - Speaker	PPNSBB2E7030	
1 x Quickstart Guide and Reference Manual	PPNSBB2E7050	
1 x Quickstart Guide	PPNSBB2E7070	
1 x Radio Installation Sheet	PPNSBB2E7260	
1 x Warranty Sheet	PPNSBB2E7100	
1 x DSC Sticker	PPNSBB2E7110	
1 x Dust Cap for Handset connector plate	MPLILTD-4/80	
OPTIONAL ADDITIONAL HANDSET KIT (NS100HS)		PART CODE
1 x Hand set with cord (US)	APNSBB2E8030	
1 x Mic Plate - black	MMNSBB2E4000	
1 x Black Box to Speaker cord with Female-Female Adapter	WALI08L07KX0 WALI08F08FO	
3 x SS self tapping screws	MS35-20SPSX1	
1 x Mic Clip with magnet	APNSBB2E8050	
2 x SS self tapping screws for mic clip	MS35-20SPSX1	
1 x Large Speaker	APNSBB2E8060	
1 x Speaker Gasket	MPNSBB2E7040	
4 x Speaker tabs	PPNSBB2E3270	
4 x SS self tapping screws	MS35-20TSPX1	
1 x Installation Sheet	PPNSBB2E7030	
1 x Dust Cap for Handset connector plate	MPLILTD-4/80	

Wiring Setup



Tools Required



• Drill



• 1-1/4" Hole Saw



1/8" Drill bit



Phillips Screwdriver



• Sabre saw

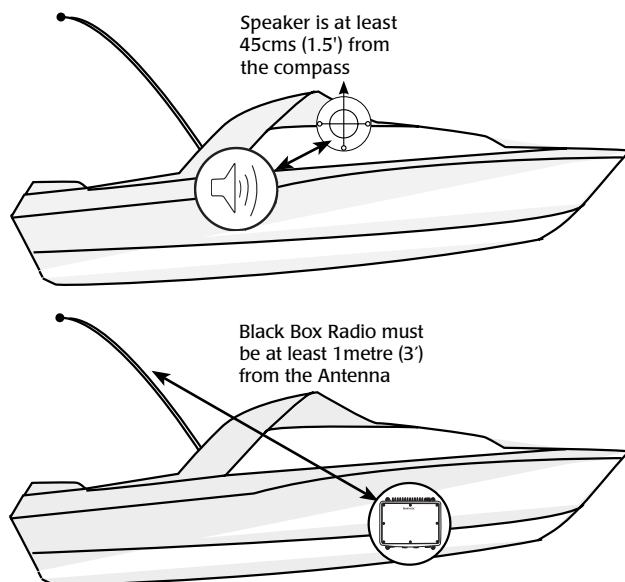


• 1" Hole Saw



Pencil

Installation Tips



Location Requirements - Please check these before doing any cutting or drilling.

Ensure that the chosen location:

- is at least one metre (3') from the antenna
- allows easy connection to (at least) a 10 Amp fused 12V only DC electrical source and the antenna.
- is at least 45cms (1.5') from the compass to avoid creating magnetic deviation of the compass during radio operation
- has a suitable space close by for installing the microphone bulkhead mount
- provides easy access to the front panel controls
- provides reasonable access to the wiring at the back of the radio.

Installing Handset Connector

1. Find a location for the Handset connector near the vessel steering wheel and check that there is enough wire length to reach the remote speaker location. Stretch the mike cord to be sure the handset is comfortable to use while driving.
2. Using the black metal plate as a guide, mark the center of the hole to be drilled.
3. Use a 1" hole saw to cut out the dash.
4. Leaving the small rubber gasket on the backside of the connector, push it through the D hole in the plate. Put the rubber dust cap over the connector shaft and tighten the nylon nut.
5. Hold the plate & connector assembly to the dash and mark the 3 holes. Use a 1/8" drill. Mount the plate with the 3 screws provided.
6. Connect the handset connector.
7. When removed, be sure to cover the connector with the provided dust cap.

Installing Microphone Clip Plate

1. Mount the handset near the mounted connector allowing a drip loop in the MIKE cord. Be sure there is about 2" of vertical clearance to allow the handset to be easily lifted off and returned to the clip plate.
2. Place the clip plate on the dash with the magnetic sensor toward the rear. Using the clip plate as a guide, mark the 2 holes.
3. Use a 1/8" drill. Mount the clip plate with the 2 screws provided.
4. Mount the handset connector.

Wiring Hailer Connector

1. Check that the location of the powerful 20W 4 Ohm HAILER HORN (not provided) does not effect the ship's compass before drilling holes and mounting. The Horn needs a clear view of the bow of the boat so the FOG and PA signals can be heard well by other vessels.
2. Run 2 #20 AWG wires from the horn to the Box and connect to the HAILER connector wires. Follow the wire colors on the front of this sheet and crimp to the HAILER connector assembly wiring.

CAUTION

NOTE: DO NOT GROUND EITHER SIDE OF THE HAILER WIRES.

Installing Remote Speaker

1. Check the location does not effect the ship's compass before drilling any holes.
2. Using the template provided, use the 1-1/4" hole saw to cut out the 4 corners.
3. Use the sabre saw to trim the remaining inside of the speaker cutout.
4. Use the 1/8" drill bit for the 4 side mounting holes.
5. Mount the speaker with supplied gasket from the front and hook up the connectors.. No need to get behind the panel.
6. Put the 4 speaker clips on the speaker to cover up the mounting holes for a professional look.