

ANTENNA
 MODEL: LS 4220
 S/N: 34114
 MFR.: LONE STAR ELECTRONICS, TEXAS, USA

CABLE SPLICE
 SOLDERED. NEED HEAT-SHRINK WITH GLUE,
 AND/OR SELF-VULCANIZING TAPE.

ANTENNA CABLE
 MOD.: RG-213U, OR HI-1000
 SUPPLIER (BOTH): ELFA, www.elfa.se
 HI-1000 HAS LOWER ATTENUATION, BUT IS MORE DIFFICULT TO HANDLE.

N-CONNECTOR
 FOR HI-1000 CABLE: USE CONNECTOR NF-H100, ELFA P/N: 46-074-12

N-CONNECTOR
 ITEM 11, PAGE 5 OF "INSTRUCTION MANUAL, COMMUNICATION
 RECEIVER IC-R8500"

SIGNAL OUTPUT
 ITEM 4, PAGE 5 OF "INSTRUCTION MANUAL ...".
 RECEIVER HAS BEEN MODIFIED, REF. FILE: R8500-modification.html
 NOTE: ON FRONT PANEL, FM-MODE (BW=12kHz) MUST BE SELECTED.

POWER SUPPLY INPUT
 ITEM 7, PAGE 5 OF "INSTRUCTION MANUAL ...".
 NOTE: JUMPER CONNECTOR MUST BE USED IN ITEM 5 ON THE REAR
 PANEL, REF. PAGE 5 OF THE "INSTRUCTION MANUAL ...".

ICOM COMMUNICATION RECEIVER IC-R8500



AC ADAPTER
 ICOM P/N: AD-55A
 INPUT: 230 Vac, 50Hz
 OUTPUT: 16 Vdc, MAX. 1.5 A, 24 VA

SIGNAL CABLE, TAG "SON-1"
 PHONO - BNC CONNECTOR

ANTI-ALIAS
 FILTER(S)
 GAIN BLOCK
 MFR.: Krohn-Hite
 MOD.: 3700

RECORDING SYSTEM

DIGITIZER / ANALOG TAPE RECORDER.
 SHOULD HAVE OVER-SAMPLING, DIGITAL FILTERING
 AND DECIMATION, IN ORDER TO EASE ANTI-ALIAS
 FILTER REQUIREMENTS (CAN ALSO HAVE FILTER/
 DECIMATION IN LATER PROCESSING STAGE).

NOTE: RECORDING SYSTEM NOT SUPPLIED FROM
 UNIVERSITY OF BERGEN.

 University of Bergen	Sonobuoy system			
	Based on ICOM R-8500 receiver			
Inst. of Solid Earth Physics	SIZE A3	FSCM NO	DWG NO sonobuoy-system-01-1B.vsd	REV 1
OM, 27 Nov, 2002	SCALE 1:1	1	SHEET	1 OF 1