HX625A Family Radio System

OWNER'S MANUAL

Keep this manual in a safe place for future reference. manual thoroughly. For proper use of this Transceiver, please read this Thank you for purchasing our Transceiver

Standard

O. Bax 92151 os Angels, CA 90009-2151 munications Corp.

Communications

Telephone 310/532/5300

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2.Parts and Name

Antenna

411X851010

Before Operation

Safety Cautions

included are various illustrations and symbols in this manual to assure that this product is used safely and correctly, and to prevent injuries to you or other persons as well as damage to your possessions. The meanings of these symbols are as shown below. Please understand these symbols before reading this manual.

Indicates contents which, if disregarded MARNING and the product handled incorrectly, could lead to a fatal accident or serious injury.

Indicates contents which, if disregarded and the product handled incorrectly, could lead to injury or physical damage to property.

Examples of illustrations in symbols

is danger of electric shock. This Δ symbol indicates that the contents describe points where caution is necessary or where there is danger. The illustration within the Δ at the left indicates that there

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This \lozenge symbol indicates that there is an action that is prohibited. The illustration within the symbol on the left indicates that disassembly is prohibited.

This symbol indicates that there is an action to be performed by the user. The illustration on the left indicates that there is a general instruction.

PROPERLY DISPOSE OF THE Ni-Cd BATTERY 17 dispose of a Ni-Cd (Nickel-Cadmium) battery, check with your dealer to determine the requirements in your area. The battery must be recycled or properly disposed of.



POWER/VOLUME knob
Turn this knob clockwise to turn the transceiver on, also turn this
knob clockwise to increase the volume level,
Turn this knob counterclockwise to decrease the volume level, also
turn this knob counterclockwise fully to turn the transceiver off.

TX/BUSY Indicator

Microphone/Speaker cap (Microphone/Speaker Jack) TX/BUSY indicator

> Illuminates green during reception or when the squeich is off. Illuminates red during transmissions

PTT (Push-To-Talk) switch When pressed, switches the transceiver from receive to transmit. Hold down the FUNCTION key and press this key to lock the keys.

Power/Volume knob

Press this key to turn the display lamp on for 5 seconds FUNCTION/LAMP key in combination with other keys to select other functions.

MONITOR key

Charging Jack

PTT switch

/LAMP key

Press this key to open the squeich.
Hold down the FUNCTION key and press this key to light the display light continuously.

UP/DOWN key

Press the UP key to increase the channel number.

Press the DOWN key to decrease the channel number.

Hold down the FUNCTION key and press the UP and DOWN key to toggtes between Basic mode and Group mode. Hold down the FUNCTION key and press the UP key to increase the

down the FUNCTION key and press the DOWN key to



To remove, pull the belt clip lock and slide the belt clip.

 Discontinue use of this product if it has a negative influence on TV, electronic equipment, therapeutic devices and or other equipment.
 Always be aware of antenna location to avoid personal injury.

CAUTION

- In the event that smoke is emitted, a strange odor or noise is generated, or similar abnormality occurs, this could cause fire, electric shock or equipment failure. Consult your dealer immediately for the necessary instructions or repair service needed. Do not attempt
- equipment failure.
- Never place discharged batteries in a fire. They may
 explode, causing fire or burns,
 explode, causing fire or burns,
 explored, participation of the battey terminals. This may cause electric
 shock, fire or burns, Never carry batteries without the
 terminal covered to prevent an accidental short.

WARNING

- Never use any batteries other than size AA alkaline, manganese batteries or the CNB510A optional NI-Od battery pack. Using different batteries could cause fire, electric shock or equipment failure.
- Never install or remove batteries while your hands are
- wet. This may cause electric shock.
 Never dispose of used batteries into a fire. They may explode, causing fire or burns.

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During service, disconnect the power.

• During bartery installation, make sure the polarity is correct. If the batteries are installed incorrectly, the batteries or equipment may be damaged.

• Do not expose this product to unatterized conditions, extreme temperature, high humidity or excessive dust. Do not keep it in an automobile. This could cause fire, electric shock or equipment failure.

D

- Never short the battery terminals. This may cause fire
- use a battery charger other than the one specified

- to repair the receiver yourself, doing so may cause serious damage or physical injury.

 If foreign material enters this product, contact your dealer. If it is used in this condition it could cause fire, electric shock or equipment failure.

 If this product is dropped or damaged in any way, contact your dealer. If it is used in a damaged condition, it could cause fire, electric shock or
- Never attempt to disassemble or modify this product.
 This may cause fire, electric shock or equipment
 failure; and could result in a violation of the rules.
 Never attempt to disassemble the batteries. This may
 cause fire, electric shock or equipment failure.

D

At all times, keep this products out of the reach of small children.
Do not transmit for a continuous period of time.

During extended periods of time without use, remove the batteries. Store the batteries in a safe place out of the reach of small children.







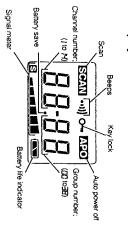


3. Display Indications

Installing the Battery

Remove the belt clip if it is attached.
 Pull the latch on the battery lid and detach the battery lid.

3 Install the battery pack CNB510A or AA x 3 batteries into the case.



Attaching/Removing the Belt Clip



To attach, slide the belt clip towards the arrow mark.

NOTICE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device my not cause harmful inferference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

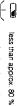
Unauthorized changes or modifications to this equipment may void compliance with FCC nules. Any brange or modification must be approved in writing by Standard Communications Corp.

Battery life indicator.

4

Attach the battery case cover





need to be charged or replace with new batteries.

When the power is turned on, high pitched beep is emitted. If low pitched beep is emitted, you need to charge or replace the battery.

WARNING

- If the batteries are not installed properly this could cause life, burns or equipment failure.
 Never use of batteries and a new batteries together. This could cause life or burns.
 When using the Ni-Co battery back (NBS10, only use the included wall charger to charge the battery back.

External microphone/speaker jack. To connect an optional microphone/speaker. When using this jack, the internal speaker is disabled.

18

Microphone/Speaker Jack Never expose an open terminal to moisture.

Microphone/ Speaker Cap Make sure the cap is in place when the terminals are not in use.

MONITOR key

−UP key Microphone

Display

NOLLOW CT

Do not carry the Transceiver by the antenna, this may brake the

Do not remove the anntena



Adjusting the Volume

Turn the power on.



Press the MONITOR key, and turn the POWER/VOLUME knob until noise or audio from the speaker is at a desired level.

(To increase the volume, turn the POWER/VOLUME knob clockwise. To decrease the volume, turn the POWER/VOLUME knob counter-

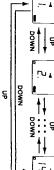
Remember to reduce the volume before using the optional

This Transceiver has two operating mode: Basic mode and Group mode

Basic mode: In this mode, you can communicate when the transceiver's channel is the same as your parties; In the state as your parties; In this mode, you can communicate when the transceiver's channel and group number is the same as your partier; If the channel number is the same but group number is not, sound will not be heard. However, in such cases, the TX/BUSY lamp will illuminate green.

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Release the PTT switch to receive.

WARNING

Hold down the PTT switch and speak slowly and clearly into the microphone.

13. Lighting the Display Lamp The lamp can be lit for 5 seconds, or locked in the on position. The lamp will not extinguish if any keys are being used. 1 Press the FUNCTION/LAMP key to light for 5 seconds. 2 To extinguish within 5 seconds, press the FUNCTION/LAMP

17. Turning the Beep offThis Transceiver emits the beeps.using the following procedure.1 Turn the power off. beeps. The beeps can be turned off

Hold down the UP key and turn the power on. Confirm the beep symbol "•••)" is disappeared

beep symbol When beeps are turned on, repeat the above procedure and confirm is disappeared

18. Using the Key Lock Function
This function backs the following keys to prevent accidental change:
UP and DOWN Key
HOURTION key and press the PTT switch.
Confirm the Key Dock symbol "o" is displayed.
To carcel, hold down the FUNCTION key and press the PTT switch.

15. Using the Auto Power Off (APO)
The Transceiver can be shull off automatically it the unit is not being used in the receive, transmit or key entry mode for 2 hours. This function is used to prevent unwanted battery consumption. This function can be performed following procedure.

14. Locking the display lamp

1 Hod down the FUNCTION/LAMP key and press the MONITOR key.

2 To cancel this state (To extinguish), hold down the FUNCTION

LAMP key and press the MONITOR key.

Turning the Squelch Off (Monitor) When the Transceiver is not receiving a signal, noise is emitted. The squelch is used to cancel this noise. The squelch must be on to cancel the noise. Press the MONITOR key.

When APO is performed, "OFF" is displayed.
When APO is turned on, repeat the above procedure and confirm APO symbol "CLOO" is disappeared.

Hold down the **DOWN** key and turn the power on Confirm APO symbol "MED" is disappeared.

Turn the power

16. Using the Battery Save
This function is used to extend the life of the battery. The battery save function actually turns the Transceiver off for a set period of time and then furns the Transceiver on to check for a signal. This function can be canceled using this procedure.



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1 Hold down the FUNCTION/LAMP key and press the UP and DOWN key. 高**^** [二

Basic Mode Group Mode

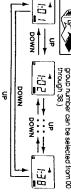
Confirm the mode is switched.

10. Operating with Group mode Advice The operating mode cannot be changed in key lock.

Hold Hold down the FUNCTION/LAMP key and press the UP and DOWN key if the Basic mode is selected. (The group number is displayed.)

2 Press the UP or DOWN key to select the desired channel. (The channel can

3 Hold down the FUNCTION/LAMP key and press the UP or DOWN key to select the desired group number. (The be selected from 1 through 14.)



Advice

4 Hold down the PTT switch and speak slowly and clearly into the microphone.

Release the PTT switch to receive.

General

20. Specifications

	Squeich Ope	Sensitivity (1		intermediate	Receiver Syr	Receiver
	Squeich Open Sensitivity	Sensitivity (12 dB SINAD) less than 0.22 µV		Intermediate Frequency1st IF 23.05 MHz	Receiver System Double superheterodyne system	
W 100 100 100		***************************************			Double sup	
Annual 100 mW/ (8 O 10 % detontion)	0.18 - 0.28 μV	less than 0.22 μV	2nd IF 450 kHz	1st IF 23.05 MHz	berheterodyne system	

Transmitter

Augo Outpu

Buit+in Microphone Electret Condenser Microphone	Frequency tolerance	Spunous Radiation45 dB or more	Max, Frequency Deviation ± 2.5 kHz	Modulation System	RF output power
ser Microphone	0.00025 %	· 45 dB or more	± 2.5 kHz	nce modulation	ominal 500 mW

20. Packing List

Owner's manual1	Wall Charger (AC Adaptor)1	N⊢Cd battery pack1	Bett clip1	Transceiver (HX625A)

The scan changes the channel and receives. The scan is halted when a signal is received. However, after about 5 seconds, the scan resumes even it a signal is being treceived.

1 Hold down the UP or DOWN key for 2 seconds or more.

Confirm the scan starts and scan symbol "EEM" is displayed



3-1 To stop the scan, hold down the UP or DOWN key for 2 seconds or more, or press the PTT switch.
3-2 To pause the scan. Press the MONITOR key.

Press the MONITOR key

When the scan is halted by receiving the signal, press the UP or DOWN key to resume the scan. The scan can be halted by pressing

PTT switch key.

factory states 12. Resetting All setting (All Reset)
All Reset changes the setting of the Transceiver to their original

Turn the power off.

I Hold down the UP and DOWN key, and turn the power on.

Confirm the original state is displayed as shown below. Release

the keys.

The original factory states are as follows:

Mode: Basic mode
Channel: 01

APO: 0#
APO: 0#
Beeps: 0n
Battery save; 0n
Key ook: 0#
Scan: 0#

3 5 6	iä	តិ គឺ i	# # F	-	
Battery Lid (Black)	Bet Clip (Yellow) 411X005110 Volume Knob 411X154010	Wall Chager	23. Replacement Parts	CNB510A	22. Options

Relationship between channel and frequency

SAZS MHZ 8 10 5875 MHZ 10 6125 MHZ 10 625 MHZ 11 12 6875 MHZ 12 12 6875 MHZ 12 12 6875 MHZ 12 12	20	5	4	ω	N	-	Channel
8 8 8 8 8	462 6875 MHz	462.6625 MHz	462.6375 MHz	462.6125 MHz	462.5875 MHz	462.5625 MHz	Frequency
Frequency 467.5625 MHz 467.5875 MHz 467.6125 MHz 467.6375 MHz 467.6325 MHz	د	12	11	10	9	œ	Channel
	467 6875 MHz	467.6625 MHz	467.6375 MHz	467.6125 MHz	467.5875 MHz	467.5625 MHz	Frequency

Relationship between group number and tone frequency

462.7125 MHz

467.7125 MHz

12	5 :	1	0	8	8	07	8	S	2	ឩ	ន	2	8	Number
20.00	20.00	07 / 12	94.8 Hz	91.5 Hz	88.5 Hz	85.4 Hz	82.5 Hz	79.7 Hz	77.0 Hz	74.4 HZ	71.9 Hz	69.3 Hz	67.0 Hz	Frequency
0	3	,	23	22	12	26	19	81	17	16	ij	14	13	Number
156.7 HZ	101.4.17		146.2 Hz	141.3 Hz	136.5 Hz	131.8 Hz	127.3 Hz	123.0 Hz	118.8 Hz	114.8 Hz	110.9 Hz	107.2 Hz	103.5 Hz	Frequency
00		3	36	35	34	33	32	31	33	29	28	27	26	Number
2000	2000	241 8 HZ	233.6 Hz	225 7 Hz	218 1 Hz	210.7 Hz	203.5 Hz	192.8 Hz	186.2 Hz	179.9 Hz	173.8 Hz	167.9 Hz	162.2 Hz	Frequency

When the battery save is turned off, repeat the above procedure and confirm the battery save symbol *• is displayed.

Turn the power off.

Hold down the MONITOR key and turn the power on Confirm the battery save symbol • is disappeared.