

LCD (Liquid Crystal Display)

Indicates Monitor mode, System and Group number, alphanumeric description, in-range, scan memory, telephone interconnect, phone numbers, keylock and remaining battery life.

H (Home) KEY

Returns the radio from the working system to the programmed HOME system and group. This key also activates the DTMF "A" tone during transmission.

S (Scan) KEY

Initiates scanning and is used for storing channels in scan memory. This key also activates the DTMF "B" tone during transmission.

F1 ↓ KEY

When the SYSTEM/GROUP control is set to the "F" position, pressing this key decreases the Group number, or decreases the System number in the Sift mode. This key also activates the DTMF "C" tone during transmission.

F2 ↑ KEY

When the SYSTEM/GROUP control is set to the "F" position, pressing this key increases the Group number, or increases the System number in the Sift mode. This key also activates the DTMF "D" tone during transmission.

GENERAL INFORMATION

The HX292UT transceiver is a combination conventional and trunking radio. In the trunking mode, it uses the E.F. Johnson LTR® trunking protocol and can operate only with other radio systems using that same protocol (LTR® is a registered trademark of the E.F. Johnson Company).

NOTE

Changes or modifications not expressly approved by Standard Communications Corp. could void the user's authority to operate this equipment.

CONTROLS AND CONNECTIONS

See Figure 1 for location of controls and connections and Figure 2 for an enlarged view of the LCD.

ON/OFF/VOLUME CONTROL

Turns the transceiver on and off, and adjusts the volume.

SYSTEM/GROUP CONTROL

Selects either F (functionable position) or one of 15 SYS/GRP (systems/groups).

TX/BUSY LED INDICATOR

Lights red during transmission, green during reception or when busy.

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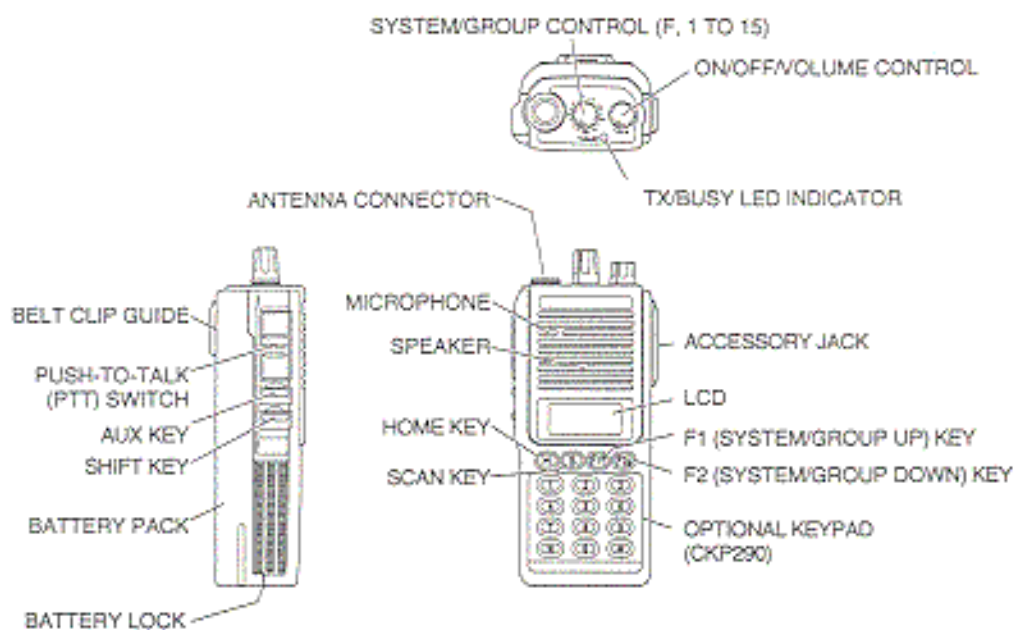


Figure 1. Controls and Connections

PTT (Push-To-Talk) SWITCH

Enables transmission mode.

SHIFT (shift/ keylock) KEY

Enables or disables the SHIFT mode. Pressing this key for longer than 2 seconds will enable or disable keypad operation.

PROGRAMMABLE KEY FUNCTIONS

The following key functions can be programmed by your dealer. Each function can be programmed to any key. Refer to your dealer for programming and operating instructions.

Key function	Programmable key					
	AUX	AUX In SHIFT mode	H	H In SHIFT mode	S	S In SHIFT mode
A/D	-	-	-	Y	-	Y
TA	-	-	-	Y	-	Y
TRANSPOND	-	-	-	Y	-	Y
PHONE	Y	Y	-	Y	-	Y
MONITOR	Y	Y	-	Y	-	Y
H/L	Y	Y	-	Y	-	Y
NET	Y	Y	-	Y	-	Y

Y : can be programmed, - : cannot be programmed

ACCESSORY JACK

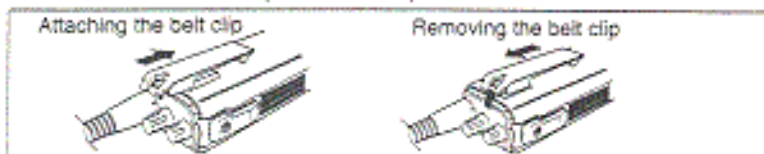
Interface for connecting an external speaker or microphone.

ANTENNA CONNECTOR

Connection for SCC 400 MHz antenna with a stud connector or an equivalent type antenna.

BELT CLIP GUIDE

Guides the installation of the optional belt clip.



BATTERY PACK

Provides DC power to the transceiver.

BATTERY LOCK

To detach the battery pack, turn off the power, slide the lock lever to open, and slide down the battery pack and remove. (see BATTERIES AND CHARGERS section)

KEYPAD

The CKP290 optional keypad can be installed. Refer to your dealer for the operation instructions.

INDICATORS

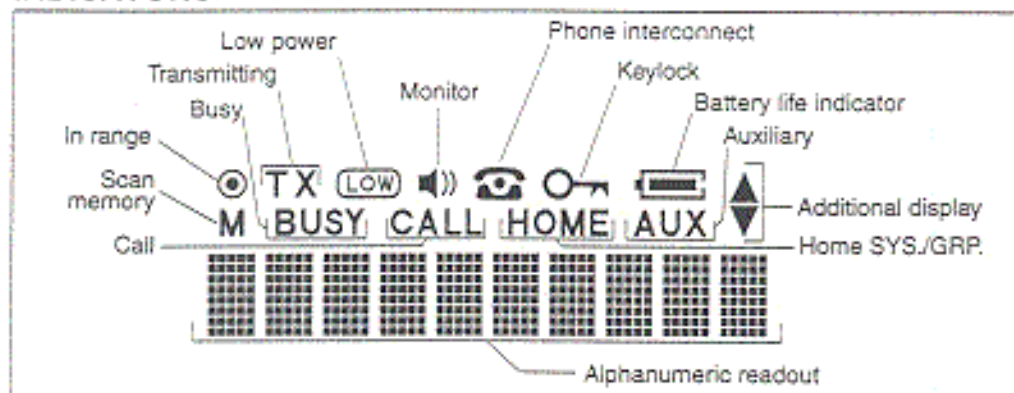


Figure 2. LCD Indicators

ADJUSTING THE CONTRAST

The LCD contrast can be adjusted.

1. Turn the power off.
2. Hold down the SHIFT key and turn the power on. ("CONTRAST" will be displayed after releasing the SHIFT key.)
3. To adjust the contrast, hold down the PTT switch and turn the volume knob.
4. Release the PTT switch, and turn the power off.

BATTERIES AND CHARGERS

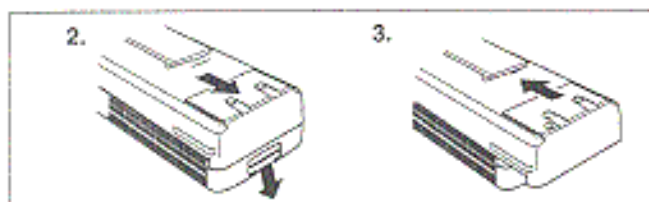
BATTERY STORAGE

Store the battery pack in a cool place to maximize storage life. Since batteries are subject to self-discharge, avoid high storage temperatures; this will cause large self-discharge rates. After extended storage, a full recharge is recommended.

BATTERY REMOVAL

To remove the battery pack, perform the following:

1. Turn the power off.
2. To remove the battery pack, pull the battery lock button down and slide down the battery pack.
3. To insert the battery pack, slide up the battery pack.



BATTERY CHARGING AND MAINTENANCE

WARNING

The battery pack should be charged only with an SCC charger. The use of any other charger may cause injury and permanent damage to the battery.

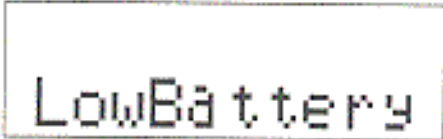
- Follow charging instructions provided with the charger.
- Do not use the radio while it is in the charger.
- Keep the battery contacts clean.
- Do not charge the battery when the ambient temperature is less than +50 °F (+10 °C) or above 104 °F (+40 °C)

MEMORY CYCLING

Partially discharging a nickel-cadmium (Ni-Cd) battery and then recharging it causes a phenomenon called "memory". When a battery pack establishes a memory, its available capacity is reduced. To ensure that a nickel-cadmium battery pack actively retains its full capacity, the pack should be almost fully discharged and then recharged completely after every few cycles of use. To obtain a full charge after fully discharging the battery pack, use the CSA290A/CSA291A and leave the battery in the charger for a minimum of 17 hours for a trickle charge (using CSA290A) and 1 to 2 hours for a rapid charge (using CSA291A).

BATTERY LIFE INDICATOR

Battery life is indicated by the battery icon in the LCD. The radio must be recharged when the low battery life indicator (⚡) is still displayed. The radio will be unavailable when the low battery life warning is displayed. Refer to Figure 3.



Low Battery

Figure 3. Battery Recharge Required

BATTERY SAFETY

Ni-Cd batteries store a charge powerful enough to be dangerous if misused or abused, especially when removed from the radio. Please observe the following precautions:

- **DO NOT SHORT BATTERY PACK TERMINALS** - Shorting battery pack terminals will cause sparks, severe overheating, burns, and battery cell damage. If the short is of sufficient duration, it is possible to melt battery components. Do not place a loose battery pack on or near metal surfaces or objects such as paper clips, keys, tools, etc. When the battery pack is installed on the radio, the terminals that transfer current to the radio are not exposed. Terminals exposed on the battery pack when it is mounted on the radio are charging terminals only and do not constitute a hazard.

- **DO NOT OVERCHARGE** - Do not charge the radio for more than 16 hours. Heat generated by overcharging can shorten battery life and cause other battery pack component failures. The CSA291A or CSB290A rapid charger changes to trickle a charge to maintain a charge after a rapid charge cycle. Battery packs may be left in a charger during the maintenance charge mode without harm to either the battery pack or the charger.
- **DO NOT INCINERATE** - Do not dispose of any Ni-Cd battery in a fire or incinerator. The heat of fire may cause battery cells to explode and/or release dangerous gases.
- **DISPOSE OF BATTERY PACKS PROPERLY** - Ni-Cd batteries must be recycled or disposed of properly. For requirements in your area, check with the dealer from whom the radio was purchased. The symbol shown below is a reminder that the battery packs are recyclable.



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