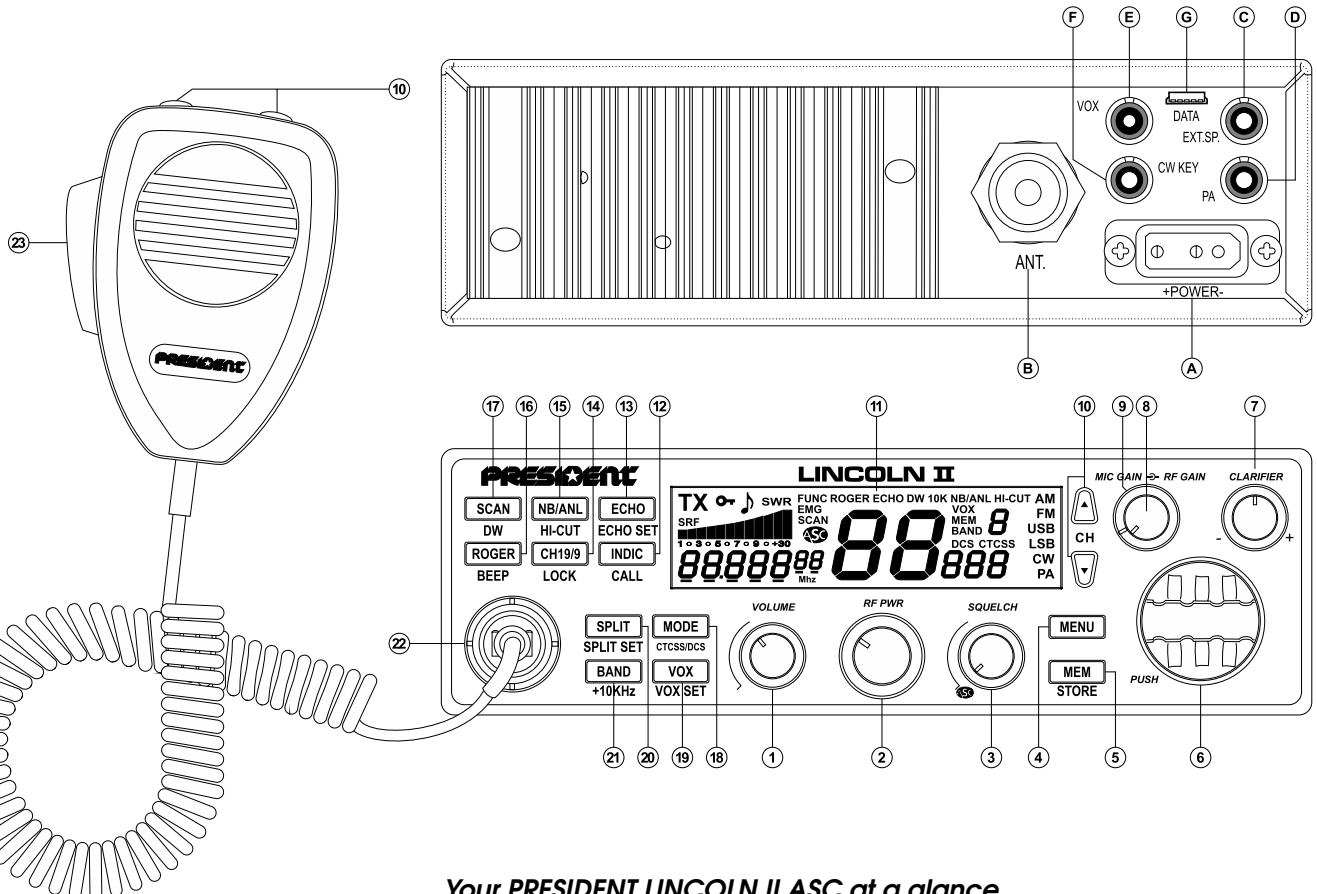
LINCOLN II

CE 0700 !

Owner's manual

PRESIDENT



Your PRESIDENT LINCOLN II ASC at a glance

English

SUMMARY

WARNING !

- *The use of this equipment involves the possession of a Radio Amateur license*
- *Before using, be careful never to transmit without first having connected the antenna (connection "**B**" situated on the back panel of the equipment) or without having set the SWR (Standing Wave Ratio) ! Failure to do so may result in destruction of the power amplifier, which is not covered by the guarantee.*

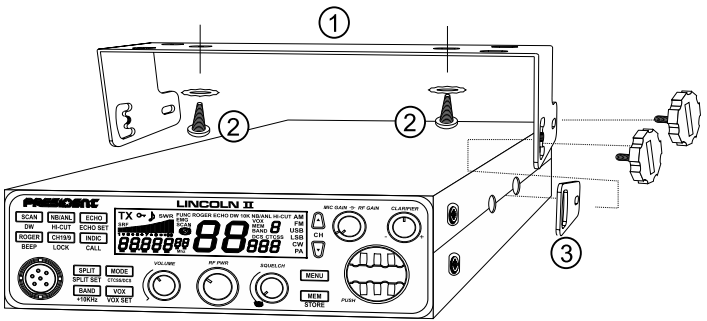
The guarantee of this transceiver is valid only in the country of purchase.

Welcome to the world of the new generation of transceiver radios. The new PRESIDENT range gives you access to top performance transceiver equipment. With the use of up-to-date technology, which guarantees unprecedented quality, your PRESIDENT LINCOLN II ASC is a new step in personal communication and is the surest choice for the most demanding of radioamateur users. To ensure that you make the most of all its capacities, we advise you to read carefully this manual before installing and using your PRESIDENT LINCOLN II ASC.

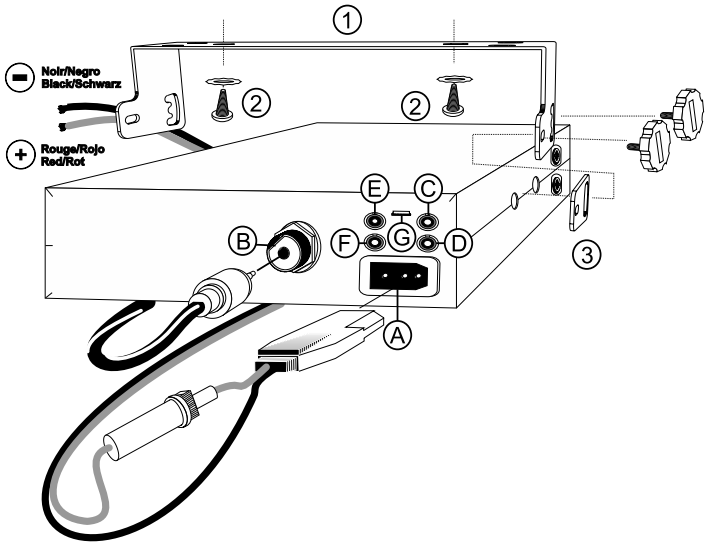
A) INSTALLATION

1) WHERE AND HOW TO MOUNT YOUR TRANSCEIVER

a) You should choose the most appropriate setting from a simple and practical point of view.
b) Your transceiver radio should not interfere with the driver or the passengers.
c) Remember to provide for the passing and protection of different wires (e.g. power, antenna, accessory cabling) so that they do not in any way interfere with the driving of the vehicle.
d) To install your equipment, use the cradle (**1**) and the self-tapping screws (**2**) provided (drilling diameter 3.2 mm). Take care not to damage the vehicle's electrical system while drilling the dash board.



e) Do not forget to insert the rubber joints (**3**) between the transceiver and its support as these have a shock-absorbing effect which permits gentle orientation and tightening of the set.
f) Choose where to place the microphone support and remember that the microphone cord must stretch to the driver without interfering with the controls of the vehicle.



- **N.B. :** As the transceiver has a frontal microphone socket, it can be set into the dash board. In this case, you will need to add an external loud speaker to improve the sound quality of communications (connector EXT SP situated on the back panel: **C**). Ask your dealer for advice on mounting your transceiver radio.

2) ANTENNA INSTALLATION

a) Choosing your antenna

- For transceiver radios, the longer the antenna, the better its results. Your dealer will be able to help you with your choice of antenna.

b) Mobile antenna

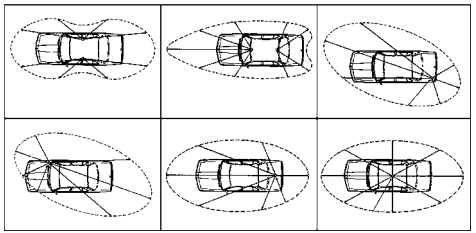
- Must be fixed to the vehicle where there is a maximum of metallic surface (ground plane), away from windscreen mountings.
- If you already have a radio-telephone antenna installed, the transceiver antenna should be higher than this.

English

- There are two types of antenna: pre-regulated which should be used on a good ground plane (e.g. car roof or lid of the boot), and adjustable which offer a much larger range and can be used on a smaller ground plane *(see § **HOW TO ADJUST SWR**, below)*.
- For an antenna which must be fixed by drilling, you will need a good contact between the antenna and the ground plane. To obtain this, you should lightly scratch the surface where the screw and tightening star are to be placed.
- Be careful not to pinch or flatten the coaxial cable (as this runs the risk of break down and/or short-circuiting).
- Connect the antenna (**B**).

c) Fixed antenna

- A fixed antenna should be installed in a clear a space as possible. If it is fixed to a mast, it will perhaps be necessary to stay it, according to the laws in force (you should seek professional advice). All PRESIDENT antennas and accessories are designed to give maximum efficiency to each transceiver radio within the range.



OUTPUT RADIUS PATTERN

3) POWER CONNECTION

Your PRESIDENT LINCOLN II ASC is protected against an inversion of polarities. However, before switching it on, you are advised to check all the connections. Your equipment must be supplied with a continued current of 12 volts (**A**). Today, most cars and lorries are negative earth. You can check this by making sure that the negative terminal of the battery is connected either to the engine block or to the chassis. If this is not the case, you should consult your dealer.

WARNING: Lorries generally have two batteries and an electrical installation of 24 volts, in which case it will be necessary to insert a 24/12 volt converter (type CV 24/12 PRESIDENT) into the electrical circuit. The following connection steps should be carried out with the power cable disconnected from the set.

a) Check that the battery is of 12 volts.

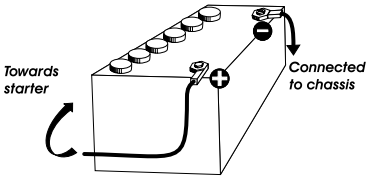
b) Locate the positive and negative terminals of the battery (**+** is red and **-** is black). Should it be necessary to lengthen the power cable, you should use the same or a superior type of cable.

c) It is necessary to connect your transceiver to a permanent (**+**) and (**-**). We advise you to connect the power cable directly to the battery (as the connection of the transceiver cable to the wiring of the car-radio or other parts of the electrical circuit may, in some cases, increase the likelihood of interference).

d) Connect the red wire (**+**) to the positive terminal of the battery and the black (**-**) wire to the negative terminal of the battery.

e) Connect the power cable to your transceiver radio.

WARNING: Never replace the original fuse (6 A) by one of a different value.



4) BASIC OPERATIONS TO BE CARRIED OUT BEFORE USING YOUR SET FOR THE FIRST TIME (without transmitting and without using the "push-to-talk" switch on the microphone)

a) Connect the microphone
b) Check the antenna connections
c) Turn the set on by turning the volume knob (**1**) clockwise.
d) Turn the squelch **SQUELCH** knob (**3**) to minimum.
e) Adjust the volume to a comfortable level.
f) Go to channel 20 by using ▲/▼ keys (**10**).

5) HOW TO ADJUST SWR (Standing Wave Ratio)

With the integrated SWR meter:

Put the unit into AM or FM with the **MODE** key (**18**). Using **PUSH** knob (**6**), or ▲/▼ keys (**10**) position the unit in the middle of the band (you are advised to check the values obtained on the extreme frequencies, in all cases it is necessary to calibrate). Check that **RF PWR** knob (**2**) is at maximum.
Press **INDIC** key (**12**) in **TX** mode until **"SWR"**appear in the display. If necessary, adjust your antenna to be close of **01.0**.

Warning*:* In order to ovoid any losses and attenuations in cables used for connection between the radio and its accessories, PRESIDENT recommends to use a cable with a length inferior to 3m.

Your transceiver is now ready for use.

English

B) HOW TO USE YOUR TRANSCEIVER

1) ON/OFF ~ VOLUME

Turn **on** radio: clockwise turn **VOLUME** knob (**1**) until radio emit beep and show current channel, radio is **on**. Turn **Off** radio: counterclockwise turn **VOLUME** knob (**1**)until radio emit click sound ,then radio is **off**.

Volume Adjustment: Radio is **on**, rotate **VOLUME** knob (**1**) to ***adjust*** volume. LCD shows **"VOL XX"** for 5 seconds which means volume level. Total is 36 levels. Clockwise to increase volume. Counterclockwise to decrease volume.

2) RF POWER

In **TX**, rotate **RF PWR** knob (**2**) to ***adjust*** FM/AM/USB/LSB output power. Clockwise to increase power. Counterclockwise to decrease power.

3) ASC (Automatic Squelch Control) ~ SQUELCH

Suppresses undesirable background noises when there is no communication. Squelch does not affect neither sound nor transmission power, but allows a considerable improvement in listening comfort.

a) *ASC: AUTOMATIC SQUELCH CONTROL*

Worldwide patent, a PRESIDENT exclusivity.
Turn the **SQUELCH** knob (**3**) anti-clockwise into **ASC** position. **"ASC"** appears on the LCD. No repetitive manual adjustment and a permanent improvement between the sensitivity and the listening comfort when ***ASC*** is active. This function can be disconnected by turning the switch clockwise. In this case the squelch adjustment becomes manual again. **"ASC"** disappears from the LCD, **"SQL on"** appears for 5 seconds.

b) *MANUAL SQUELCH*

Turn the **SQUELCH** knob clockwise to the exact point where all background noise disappears. This adjustment should be done with precision as, if set to maximum (fully clockwise), only the strongest signals will be received. LCD shows **"SQL XX"** for 5 seconds which means squelch volume level. Total is 36 levels.

4) MENU

Press the **MENU** key (**4**) for 2 seconds to ***enter*** in the **menu function setting**. **"FUNC"** appears on the LCD.
Use ▲/▼ keys (**10**) to ***select*** the desired function.
Use rotary **PUSH** knob (**6**) to ***set*** the function.
Press any key except **PUSH** knob (**6**) or wait for 5 seconds to ***store*** and ***exit***. **"FUNC"** disappears from the LCD.

*See § **MENU FUNCTIONS** for details, page 35.*

5) MEM ~ STORE

MEM *(short press)*

Press **MEM** key (**5**) to ***enter*** into **Memory Mode**.
Press ▲/▼ keys (**10**) on to ***select*** the pre-stored channel (6 memories).
Press **MEM** key (**5**) again to ***exit*** **Memory Mode**.

STORE *(long press)*

Select desired channel, band and modulation mode.
Long press MEM-**STORE** key (**5**) to ***enter*** into **Channel Storage Setting**, memory blinks in the LCD.
Rotate **PUSH** knob **(6)** to ***select*** the storage memory M1 ~ M6.
Long press MEM-**STORE** key (**5**) until blinking memory disappeared. Storage finished and ***exit*** **Channel Storage Setting**.

6) ROTARY "PUSH" KNOB

In **POWER ON** status, rotate **PUSH** knob (**6**) to ***adjust*** frequency. Clockwise to increase, counterclockwise to decrease.

Press **PUSH** knob (**6**), **"-"**displayed under frequency which means adjust frequency's stepping.

Push or rotate the **PUSH** knob (**6**) is also used to ***set*** functions or parameters.

7) CLARIFIER

This **CLARIFIER** knob (**7**), allows a frequency deviation during reception in order to improve the clearness of your correspondent's voice.

8) MIC GAIN

In **POWER ON** status, rotate **MIC GAIN** knob (**8**) to ***adjust*** microphone gain. LCD shows **"MIC XX"** for 5 seconds which means microphone gain level. Total is 36 levels Clockwise to increase, counterclockwise to decrease.

In **PA** status, rotate **MIC GAIN** knob (**8**) to ***adjust*** volume. LCD shows **"MIC XX"** for 5 seconds which means microphone volume level. Total is 36 levels. Clockwise to increase, counterclockwise to decrease.

9) RF GAIN

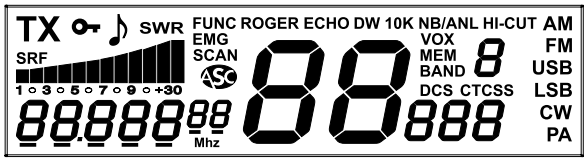
In **RX**, rotate **RF GAIN** knob (**9**) to ***adjust*** **RX** gain. Clockwise to increase, counterclockwise to decrease.

10) ▲/▼ CHANNEL/FREQUENCY SELECTOR

▲/▼ keys (**10**) allows ***increasing*** or ***decreasing*** a channel number or a frequency number according the choose done in the **[UP dn]** menu *(see § **▲/▼ KEYS SETTING**, page 36).*
A **"Beep"** sounds each time the channel/frequency changes if the ***BEEP*** function is activated *(see **KEY BEEP** function page 33).*

In **MENU** status, the ▲/▼ keys allows to ***select*** menu.

11) LCD



TX	Indicates transmission
	Indicates that front panel keys are locked except **PTT** pedal and knobs. LCD shows **"Err"** when locked key is pressed
	Beep function activated
SWR	on **TX,** bargraph shows Standing Wave Ratio (SWR) and value *(see **INDIC** function following)*
ROGER	ROGER BEEP function is activated
ECHO	ECHO function is activated
DW	DUAL WATCH activated
10K	Frequency +10K function is activated
NB	NB filter activated
ANL	ANL filter activated
HI-CUT	HI-CUT filter activated
EMG	The emergency channel 9 or 19 activated
SCAN	SCAN function activated
	Automatic Squelch Control activated
VOX	VOX function activated
MEM	Memorised frequency is selected
DCS	DCS code is used
CTCSS	CTCSS tone is used
AM	AM mode selected
FM	FM mode selected
USB	USB mode selected
LSB	LSB mode selected
CW	CW mode selected
PA	PA (Public Address) mode selected
88	Shows the channel number
8	Shows the current Band
888	Shows DCS code or CTCSS tone
88.888	Shows the frequency and menu values

12) INDIC ~ CALL

INDIC *(short press)*

Press **INDIC** key (**12**) to ***display*** current voltage, shows as **"** 13.8dC**"**in LCD.
Press **INDIC** key (**12**) again or wait for 5 seconds to ***disable*** voltage display.
In **TX**, press **INDIC** key (**12**) to ***select*** the feature to be displayed. LCD alternates with: FREQUENCY ~ SWR ~ TOT ~ VOLTAGE. Every time the **PTT** pedal is pressed, LCD shows frequency and selected feature.

CALL *(long press)*

Press INDIC-**CALL** key *(**12**)* every time to ***send*** pre-editing prompt voice code calling. LCD shows **"TX"**. *(see § **CALL FREQUENCY**, page).*

13) ECHO ~ ECHO SET

ECHO *(short press)*

Press **ECHO** key (**13**) to ***enable/disable ECHO*** function. LCD shows **"ECHO"**.

ECHO SET *(long press)*

Press ECHO-**ECHO SET** key (**13**) to ***set*** ECHO VOLUME level and ECHO TIME. **"ECHO"** blinks on the LCD.
Press ▲/▼ keys (**10**) on the unit or on the microphone (**24**) to ***select*** alternately **"**dELAY**"** or **"**t IME**"** on the menu list.
Ratate **PUSH** knob (**6**) to ***set*** the selected feature. There are 32 DELAY levels, default: 10. There are 32 "TIME", default: 1. LCD shows selected **"**dELAY**"** level or selected **"**t IME**"**.
Press MEM-**STORE** (**5**) key for 2 seconds to ***store*** and ***skip*** into next menu.
Wait for 5 seconds to ***exit ECHO SET***.

14) CH9/19 ~ LOCK

CH9/19 *(short press)*

Press **CH19/9** key (**14**) to ***enter*** Emergency Channel. LCD shows **"EMG"**. First time to ***select*** channel **19,** second time for channel **9**, third time to ***go back*** to current channel.

LOCK *(long press)*

Long press CH19/9-**LOCK** key (**14**) to ***enable*** key ***LOCK*** function. LCD shows **"🔑"**.
Long press CH19/9-**LOCK** key (**14**) again to ***disable*** key ***LOCK*** function. **"🔑"** disappears from LCD.

Note: When active, front panel keys are locked except **PTT** pedal and rotaty knobs (**PUSH** knob (**6**) is locked). LCD shows **"Err"** when locked key is pressed.

15) NB/ANL ~ HI-CUT

NB/ANL *(short press)*

3 positions switch: **Off • NB (**NB filter activated) **• NB/ANL** (both filters activated). When active, the filter is displayed on the LCD.
NB: Noise Blanker / **ANL:** Automatic Noise Limiter. These filters allow reducing back ground noises and some reception interferences.

HI-CUT *(long press)*

HI-CUT: Cuts out the high frequency interferences and has to be used in accordance with the reception conditions. When active **"HI-CUT"** is displayed on the LCD.

16) ROGER ~ BEEP

ROGER BEEP *(short press)*

Press **ROGER** key (**16**) to ***enable/disable*** the ***ROGER BEEP*** function.
"ROGER" appears on the LCD when the function is active.
The Roger Beep sounds when the ***PTT*** pedal (**23**) of the microphone is released in order to let your correspondent speak. Historically as transceiver is a "simplex" communication mode, it is not possible to speak and to listen at the same time (as it is the case with a telephone). Once someone had finished talking, he said "Roger" in order to prevent his correspondent that it was his turn to talk. The word "Roger" has been replaced by a significant beep. There comes "Roger beep" from.

KEY BEEP *(long press)*

Press ROGER-**BEEP** key (**16**) for 2 seconds to ***enable/disable*** the ***KEY BEEP*** function.
A beep sounds when key is pressed, changing the channel etc. **"♪"** appears on the display when the function is active.

17) SCAN ~ DW

SCAN *(short press)*

Press **SCAN** key (**17**) to ***enable SCAN*** function. LCD shows **"SCAN"**. The scanning stops as soon as there is a busy channel. In **SCANNING**, press ▲/▼ to change scan direction.
Press **SCAN** key (**17**) again or **PTT** pedal (**23**) to ***exit*** scan.

DUAL WATCH *(long press)*

This function allows to ***survey*** between channel set on in the **[dUA]** menu *(see page 36)* and the current channel.
Long press SCAN-**DW** key (**17**) to ***enable DW*** function. LCD shows **"DW"**.
Long press SCAN-**DW** key (**17**) again or **PTT** pedal (**23**) to ***exit DW*** function.

18) MODE ~ CTCSS/DCS

MODE *(short press)*

Press **MODE** key (**18**) to ***select*** the modulation mode: AM ~ FM ~ USB ~ LSB ~ CW or PA. Corresponding mode is displayed on the LCD.
Your modulation mode has to correspond to the one of your correspondent.

- Frequency Modulation / **FM**: for nearby communications on a flat open field.
- Amplitude Modulation / **AM**: communication on a field with relief and obstacles at middle distance (the most used).
- Upper and Lower Side Band / **USB-LSB**: used for long distance communications (according to the propagation conditions).
- **CW** is used with morse key on the **CW KEY** jack on the back panel (**F**).
- An external loud speaker can be connected to your LINCOLN II by the **PA** jack plug situated on the back panel PA.SP (**D**). The message transmitted into the microphone will be directed towards the external speaker and be amplified. *See § **MIC GAIN** page 31 for adjustment of volume.*

CTCSS/DCS *(long press)*

This function is only enabled in FM modulation
Long press MODE-**CTCSS/DCS** key (**18**) to ***enable*** CTCSS tone or DCS code.
"CTCSS" or **"DCS"** blinks on the LCD.

Rotate **PUSH** knob (**6**) to ***set*** desired CTCSS tone. There are 38 CTCSS tones from 01 to 38.
Continue to rotate **PUSH** knob (**6**) to ***set*** desired DCS code. There are 104 DCS codes from 001 to 104.
Select **"oFF"** for ***disable*** the CTCSS tone or DCS code.
Press MEM/**STORE** (**5**) for 2 seconds to ***store*** the CTCSS tone or DCS code.
Long press MODE-**CTCSS/DCS** key (**18**) to ***disable*** CTCSS tone or DCS code.

See tables on page 52

19) VOX ~ VOX SET

VOX *(short press)*

The ***VOX*** function allows transmitting by speaking into the original microphone (or in the optional vox microphone) without pressing the **PTT** pedal (**23**). In case of the use of an optional vox mike connected to the rear panel of the radio - **VOX** MIC jack (**E**), the original microphone doesn't work.

Press the **VOX** key (**19**) in order to ***activate*** the ***VOX*** function. **"VOX"** is displayed on the LCD. A new pressure on the **VOX** key (**19**) switches the function **off**. **"VOX"** disappears from the LCD.

VOX SET *(long press)*

Press for 2 second the VOX-**VOX SET** key (**19**) in order to ***activate*** the ***VOX SET*** function (if the ***VOX*** function is **off**, this will turn the function **on** and display **"VOX"** on the LCD). **"SEnS, L"** appears on the LCD.
Three features are possible: **Sensiti**vity level, **Anti**-Vox **Delay** time.
Press ▲/▼ keys (**10**) in order to ***select*** to the following feature. LCD shows the feature.
Rotate **PUSH** (**6**) to ***set*** the feature.
Press MEM/**STORE** key (**5**) to ***store*** and ***skip*** into the next feature.
Once the adjustments are done, press the VOX-**VOX SET** key (**19**) in order to ***quit*** the ***VOX SET*** function. If any adjustment have been done during 5 seconds, the transceiver will ***quit*** the ***VOX SET*** function automatically.

- Sensitivity **"SEnS, L"**: allows the adjustment of the microphone (original one or optional vox) for an optimum transmission quality. Adjustable level from 1 (high sensibility) to 9 (low sensibility). Default: 5.
- Anti-Vox **"AntI"**: allows disabling the transmission generated by the surrounding noise. The level is adjustable: 0 (OFF), from 1 (high level) to 9 (low level). Default: 9.
- Delay Time **"dELAY"**: allows avoiding the sudden cut of the transmission by adding a delay at the end of speaking. The level is adjustable from 1 (short time delay) to 9 (long time delay). Default: 1.

20) SPLIT ~ SPLIT SET

SPLIT *(short press)*

The ***SPLIT*** function allows to ***transmit*** and ***receive*** on separated frequencies.
Press **SPLIT** key (**20**) to ***enable*** repeater function, LCD shows **"SPL ItON"** for 5 seconds.
Press **SPLIT** key again to ***disable*** repeater function, LCD shows **"SPL ItoF"** for 5 seconds.

Note: Channel, Band and Frequency are blinking if the ***SPLIT*** function is active.

SPLIT SET *(long press)*

Long press SPLIT-**SPLIT SET** key (**20**) to **set** repeater's OFFSET and DIRECTION
Press ▲/▼ (**10**) to ***alternate*** between FREQUENCY OFFSET and DIRECTION in the menu list.
Rotate **PUSH** (**6**) knob to ***set*** desired feature.
Press MEM/**STORE** key (**5**) for 2 seconds to ***store*** and ***skip*** into next menu.

Press **SPLIT** key (**20**) or wait for 5 seconds to ***exit SPLIT SET*** function.

- FREQUENCY OFFSET: frequency blinks on the LCD.
- DIRECTION: LCD shows **"SPL, t"**.**"-h"** in LCD means positive offset set in current channel, **"--"** means negative offset set in current channel.

21) BAND ~ +10KHz

BAND *(short press)*

Press **BAND** key (**21**) for ***quick movement*** skipping 200 kHz in A ~ b ~ C ~ d ~ E ~ F ~ 9 ~ H ~ 1 segments.

+10KHz *(long press)*

Long press BAND-**+10KHz** key (**21**) to ***enable*** frequency +10KHZ. LCD shows **"10K "**
Long press BAND-**+10KHz** key (**21**) again to ***disable*** frequency +10KHZ. **"10K"** disappears from the LCD.

22) 6 PIN MICROPHONE PLUG

The plug is located on the front panel of the transceiver and makes the setting of the equipment into the dashboard easier.

See Cabling Diagram page 52.

English

23) PTT

Transmission key, press to transmit a message, **"TX"** is displayed and release to listen to an incoming communication.

A) DC-POWER TERMINAL (13,2 V)
B) ANTENNA CONNECTOR (SO-239)
C) EXTERNAL SPEAKER JACK (8 Ω, Ø 3,5 mm)
D) JACK FOR OPTIONAL PA (Public Address) (Ø 3.5 mm)
E) JACK FOR OPTIONAL VOX MIKE (Ø 2.5 mm)
F) JACK FOR CW DEVICE (Ø 3.5 mm)
G) USB DATA

C) MENU FUNCTIONS

Press the **MENU** key (**4**) for 2 seconds to ***enter*** in the menu function setting.
"FUNC" appears on the LCD.
Use ▲/▼ keys (**10**) to ***select*** the desired function.
Use rotary **PUSH** knob (**6**) to ***set*** the function.
Press any key except **PUSH** knob (**6**) or wait for 5 seconds to ***store*** and ***exit***.
"FUNC**"** disappears from the LCD.

1) ROGER BEEP FREQUENCY

Set the **FREQUENCY** of the **ROGER BEEP**.
At **[rbEEPFr]** menu, rotate **PUSH** knob (**6**) to ***set*** the **Frequency**.
Frequency range: 300 Hz ~ 3000 Hz, stepping frequency: 10 Hz, default: 1050 Hz.
Press **PUSH** knob (**6**) to ***change*** the step.

2) ROGER BEEP TIME

Set the **TIME** (ms) of the **ROGER BEEP**.
At **[rbEEPti]** menu, rotate **PUSH** knob (**6**) to ***set*** the delay **Time**.
Time range 50 ~ 1000 ms, time stepping: 50 ms, default: 500 ms. Press **PUSH** knob (**6**) to ***change*** the step.

3) CW FREQUENCY

Set the **FREQUENCY** of the **CW**.
At **[CWtoFr]** menu, rotate **PUSH** knob (**6**) to ***set*** the **Frequency**.
Frequency range: 300 Hz ~ 3000 Hz, stepping frequency: 10 Hz, default: 1050 Hz.
Press **PUSH** knob (**6**) to change the step.

4) CALL FREQUENCY

Set the **FREQUENCY** of the **CALL** tone.
At **[CALL Fr]** menu, rotate **PUSH** knob (**6**) to ***set*** the **Frequency**.
Frequency range: 300 Hz ~ 3000 Hz, stepping frequency: 10 Hz, default: 1050 Hz.
Press **PUSH** knob (**6**) to change the stepping.

5) MONITOR GAIN VOLUME

Set the **OUTPUT VOLUME LEVEL** of the microphone in your own speaker.
At **[MonitrNo]** menu, rotate **PUSH** knob (**6**) to ***set*** the **Monitor** volume level.
There are 32 levels. **"OFF"** ***disable*** the function.

6) TOT (Time Out Timer)

Set the **TOT**. If the **PTT** pedal (**23**) is pressed for more than "TOT" time, the transmission ends.
At **[tot]** menu, rotate **PUSH** knob (**6**) to ***set*** the **TOT**, **"oF"** ***disable*** the function. Time range 30 ~ 600 s, time stepping: 30 s, default: 180 s.

7) SWR PROTECTION

Enable/***disable*** the **SWR PROTECTION**.
At **[tSr]** menu, rotate **PUSH** knob (**6**) to ***enable*** **"on"** or ***disable*** **"oF"** the protection. Default: **"on"**.

8) SWR PROTECTION SETTING

Set the **SWR LEVEL PROTECTION.**
At **[SWrHi]** menu, rotate **PUSH** knob (**6**) to ***set*** the protection **Level**.
Level range: 12 ~ 200 , stepping: 1, default: 200. Press **PUSH** knob (**6**) to change the step. The ***SWR*** level is useful only in the ***SWR*** protection function is active.

9) VOLTAGE PROTECTION

Enable/***disable*** **VOLTAGE PROTECTION**.
At **[bAtProt]** menu, rotate **PUSH** knob (**6**) to ***enable*** **"on"** or ***disable*** **"oF"** the protection. Default: **"on"**.

10) VOLTAGE PROTECTION HIGH

Set the **HIGHER LIMIT** of **VOLTAGE PROTECTION**.
At **[SEtdCHi]** menu, rotate **PUSH** knob (**6**) to ***set*** the **High** limit.
Voltage range: 900 ~ 1700 V, stepping: 010, default: 1700. Press **PUSH** knob (**6**) to change the step. The ***HIGH*** limit is useful only if the ***VOLTAGE*** protection function is active.

English

11) VOLTAGE PROTECTION LOW

Set the **LOWER LIMIT** of **VOLTAGE PROTECTION**.
At **[SEtdCLo]** menu, rotate **PUSH** knob (**6**) to ***set*** the **Low** limit.
Voltage range: 9.0V ~ 17.0V, stepping: 0.1V, default: 9.0V. Press **PUSH** knob (**6**) to change the step. The ***LOW*** limit is useful only if the ***VOLTAGE*** protection function is active.

12) SCAN TYPE

Select the **TYPE** of **SCAN**.
At **[SCAntYP]** menu, rotate **PUSH** knob (**6**) to ***select*** the **Type.**
"SS"means scanning stops when busy channel is founded.
"ti" means scanning stops when busy channel is founded and return to scan after 5 seconds.

13) BACKLIGHT COLOR

Select the **BACKLIGHT *COLOR*** of the unit.
At **[CoLor]** menu, rotate **PUSH** knob (**6**) to ***select*** the **Color**.
Three colors are possible **"Or"** (orange/default), **"Gr"** (green) or **"bL"** (blue).

14) BACKLIGHT BRIGHTNESS

Adjust the **BACKLIGHT BRIGHTNESS** of the unit.
At **[br. GhtE]** menu, rotate **PUSH** knob (**6**) to ***select*** the **BRIGHTNESS**.
Brightness level: 1 ~ 9, default: 9.

15) ▲/▼ KEYS SETTING

Select the **UP/DOWN KEY** feature.
At **[UP dn]** menu, rotate **PUSH** knob (**6**) to ***select*** the **Feature**.
"CH" means ▲/▼ keys changes **CHANNEL** (default).
"Fr" means ▲/▼ keys changes **FREQUENCY**.

Note: If **FREQUENCY** is selected. Press **PUSH** knob (**6**) to select the frequency digit to be increased by the ▲/▼ keys.

16) DW SETTING

Set the **CHANNEL** use with **DUAL WATCH** function.
At **[dUU]** menu, press **BAND** key (**21**) to ***select*** desired band, press **MODE** key (**18**) to select desired modulation mode, rotate **PUSH** knob (**6**) to ***select*** channel. Default: band: 1 - modulation: **FM** - channel: 09.
*See **DUAL WATCH** function, page 33.*

17) RESET

Initialization of the unit.
At **[rESEt]** menu, ***select*** **"OPt"** for all functions setting initialised, ***select*** **"ALL"** for all functions and channels setting initialized.
Short press **PUSH** knob (**6**) to ***confirm***. Wait until LCD shows **"rESEnd"**.

D) TECHNICAL CHARACTERISTICS

1) GENERAL

- Modulation modes	:	AM / FM / USB / LSB / CW
- Frequency ranges	:	from 28.000 MHz to 29.700 MHz
- Antenna impedance	:	50 ohms
- Power supply	:	13.2 V
- Dimensions (in mm)	:	170 (W) x 250 (D) x 52 (H)
- Weight	:	1,4 kg
- Accessories supplied	:	microphone UP/DOWN with support, mounting cradle, screws and fused power cord.

2) TRANSMISSION

- Frequency allowance	:	+/- 300 Hz
- Carrier power	:	12 W AM / 28 W FM / 31 W USB-LSB (PEP) / 12 W CW
- Transmission interference	:	inferior to - 50 dBc
- Audio response	:	300 Hz to 3 KHz in AM/FM/USB/LSB
- Emitted power in the adj. channel	:	inferior to 20 µW
- Microphone sensitivity	:	3.0 mV
- Drain	:	6 A (with modulation)
- Modulated signal distortion	:	2 %

3) RECEPTION

- Maxi. sensitivity at 20 dB sinad	:	0.7 µV - 110 dBm (AM) 0.35 µV - 116 dBm (FM) 0.28 µV - 118 dBm (USB/LSB/CW)
- Frequency response	:	300 Hz to 3 kHz in AM/FM/LSB/USB
- Adjacent channel selectivity	:	60 dB
- Maximum audio power	:	3 W
- Squelch sensitivity	:	minimum 0.2 µV - 120 dBm maximum 1 mV - 47 dBm
- Frequency image rejection rate	:	60 dB
- Intermediate frequency rej. rate	:	70 dB
- Drain	:	400 mA nominal / 600 mA maximum

E) TROUBLE SHOOTING

1) YOUR transceiver RADIO WILL NOT TRANSMIT OR YOUR TRANSMISSION IS OF POOR QUALITY

- Check that the antenna is correctly connected and that the SWR is properly adjusted.
- Check that the microphone is properly plugged in.

2) YOUR transceiver RADIO WILL NOT RECEIVE OR RECEPTION IS POOR

- Check that the squelch level is properly adjusted.
- Check that the volume is set to a comfortable listening level.
- Check that the antenna is correctly connected and that the SWR is properly adjusted.
- Check that you are using the same modulation mode as your correspondent.

3) YOUR transceiver WILL NOT LIGHT UP

- Check the power supply.
- Check the connection wiring.
- Check the fuse.

F) GLOSSARY

INTERNATIONAL PHONETIC ALPHABET

A Alpha	**H** Hotel	**O** Oscar	**V** Victor
B Bravo	**I** India	**P** Papa	**W** Whiskey
C Charlie	**J** Juliett	**Q** Quebec	**X** X-ray
D Delta	**K** Kilo	**R** Romeo	**Y** Yankee
E Echo	**L** Lima	**S** Sierra	**Z** Zulu
F Foxtrott	**M** Mike	**T** Tango	
G Golf	**N** November	**U** Uniform	

CERTIFICATE OF CONFORMITY

We, GROUPE PRESIDENT ELECTRONICS, Route de Sète, BP 100 – 34540 Balaruc – FRANCE,
Declare, on our own responsibility that the transceiver radio-communication transceiver

Brand : **PRESIDENT**
Model : **LINCOLN II**

is in conformity with the essential requirements of the Directive 1999/5/CE (Article 3) adapted to the national law, as well as with the following European Standards:

EN 301 783 - 1
EN 301 783 - 2
EN301 489 - 15
EN 60950 - 1 (2006) + A11 (2009)

and is in conformity with Directive RoHS2: 2011/65/EU (2011/06/08).

Balaruc, the 2013/12/16

Jean-Gilbert MULLER
General Manager

English

GENERAL WARRANTY CONDITIONS

This device is guaranteed **2 years** parts and labour in its country of purchase against any manufacturing defects validated by our technical department. *The After-sales Service of PRESIDENT reserves the right not to apply the warranty if a breakdown is caused by an antenna other than those distributed by PRESIDENT, and if said antenna is at the origin of the breakdown. An extension of **3 years** warranty is proposed systematically for the purchase and use of a PRESIDENT antenna, bringing the total duration of the warranty to **5 years**. In order to be valid, the warranty certificate must be returned within a period of 30 days after the purchase date to the After-sales Service of the company Groupe President Electronics, or any foreign subsidiary.

It is recommended to carefully read the following conditions and to respect them under penalty of losing their benefit.

* To be valid the warranty certificate must be returned to us at the latest 1 month after the purchase.
* Please duly complete the warranty certificate on the right hand side of the page, detach it (portion to be removed marked by dotted line) and send it back.
* Any repair under warranty will be free and the return delivery costs will be borne by our company.
* A purchase proof must be necessarily included with the device to be repaired.
* The dates listed on the warranty certificate and proof of purchase must match.
* Do not proceed with the installation of the device without reading the user manual.
* No spare part will be sent nor exchanged by our services under warranty.

The warranty is only valid in the country of purchase.

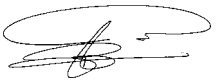
Exclusions (are not covered):

* Damages caused by accident, shock or inadequate packaging.
* Power transistors, microphones, lights, fuses and the non respect of the installation and use of specifications (including but not limited to antenna used with too high power, final output power transistors (SWR), inversion of polarities, bad connections, overvoltage,….)
* The warranty cannot be extended due to the non-availability of the device while it is being serviced at our technical services location, nor by a change of one or more components or spare parts.
* Transceivers which have been modified. The warranty application is excluded in case of modification or poor maintenance done by a third party not approved by our company.

If you note malfunctions:

* Check the power supply of your device and the quality of the fuse.
* Check that the antenna, the microphone…. are correctly connected.
* Check that the squelch level is properly adjusted; the programmed configuration is the correct one...
* In case the device is not under warranty, the repair and return of the device will be charged.
* All related documents must be preserved even after the end of the warranty period and if you resell your device, given to the new owner for the After-sales follow-up.
* In case of real malfunction, please contact your dealer first; they will decide action to be taken.
* In case of an intervention not covered by the warranty, an estimate will be established before any repair.

Thank you for your trust in the PRESIDENT quality and experience. We recommend that you read this manual carefully so that you are completely satisfied with your purchase. Do not forget to return the detachable warranty certificate on the right hand side of this page; it is very important for the identification of your device during a possible rendering of our services.



Technical Manager
and
Quality Manager

Date of purchase : .....

Type : Radio Amateur LINCOLN II

Serial N°: .....

2+3* years warranty

NOT COVERED BY THE WARRANTY WITHOUT THE DEALER STAMP

English

Groupe

PRESIDENT ELECTRONICS

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PRESIDENT