

HARRY II



PRESIDENT

Manuel d'utilisation / Manual del usuario
Owner's manual / Handbuch

PRESIDENT Automatic Squelch Control Owner's Manual

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PRESIDENT Automatic Squelch Control



WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
WARNING !

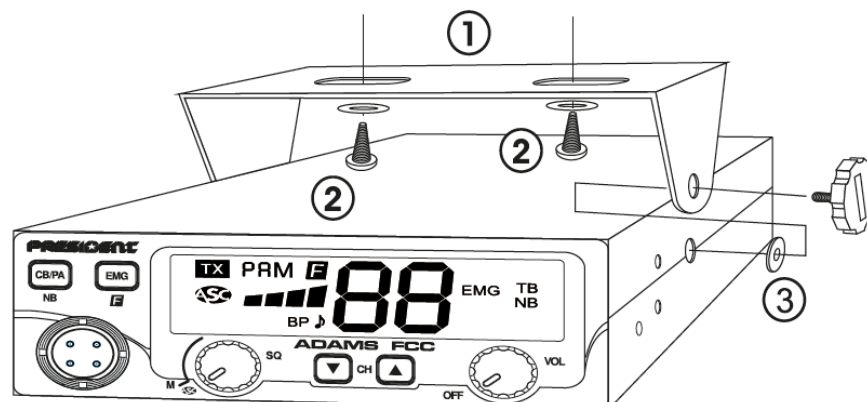
Before using, be careful never to transmit without first having connected the antenna (connection "B" situated on the back panel of the equipment) or without having set the SWR (Standing Wave Ratio) ! Failure to do so may result in destruction of the power amplifier, which is not covered by the warranty.

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

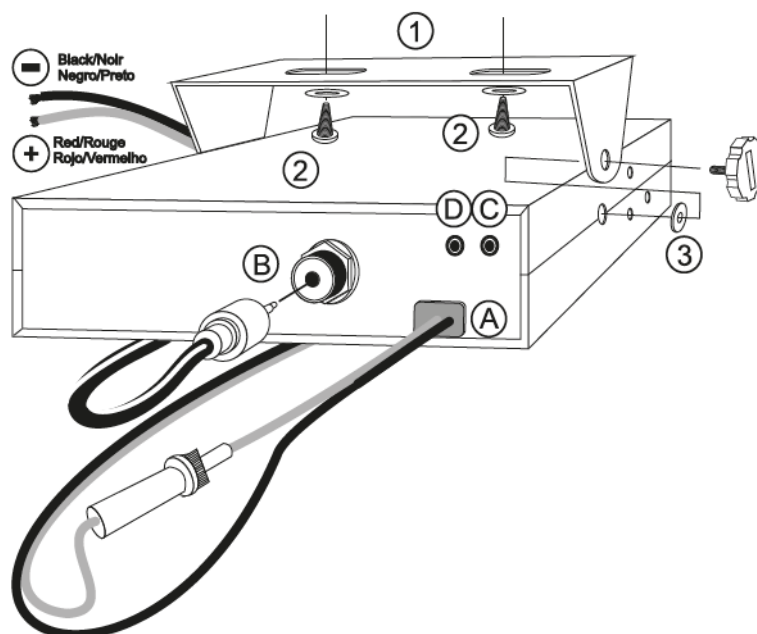
Welcome to the world of the new generation of CB radios. The new PRESIDENT range gives you access to top performance CB equipment. With the use of up-to-date technology, which guarantees unprecedented quality, your PRESIDENT ADAMS FCC is a new step in personal communication and is the surest choice for the most demanding of professional CB radio 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 ADAMS FCC.

INSTALLATION

- WHERE AND HOW TO MOUNT YOUR MOBILE CB RADIO
- You should choose the most appropriate setting from a simple and practical point of view.
- Your CB radio should not interfere with the driver or the passengers.
- 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.



MOUNTING DIAGRAM



- 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.
- Do not forget to insert the rubber joints (3) between the CB and its support as these have a shock-absorbing effect which permits gentle orientation and tightening of the set.
- 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.

Note: 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:

- Ask your dealer for advice on mounting your CB radio.

ANTENNA INSTALLATION

Choosing your antenna

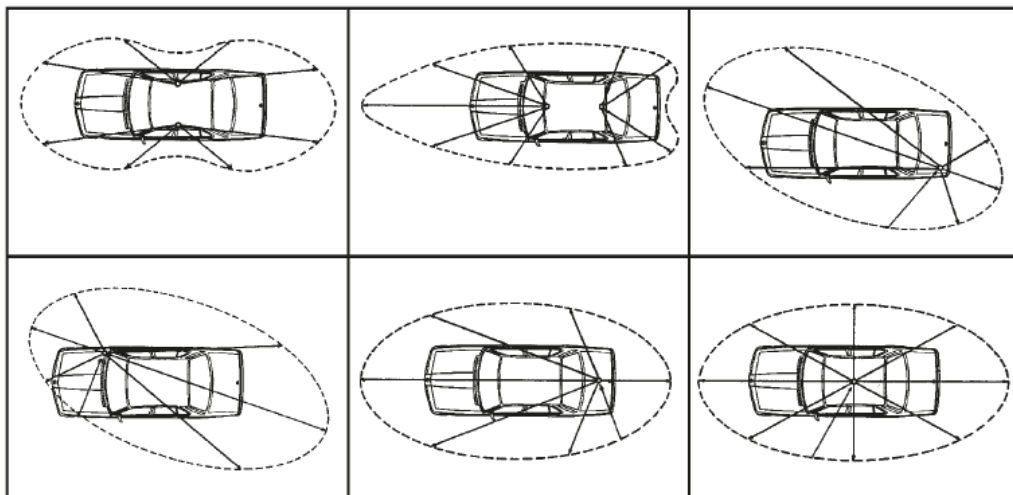
- For CB radios, the longer the antenna, the better its results. Your dealer will be able to help you with your choice of antenna.

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 CB antenna should be higher than this.
- 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 § 5 page 7, ADJUSTMENT OF SWR).
- 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).

OUTPUT RADIUS PATTERN



Fixed antenna

- A fixed antenna should be installed in a clear 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 PRES-IDENT antennas and accessories are designed to give maximum efficiency to each CB radio within the range.

POWER CONNECTION

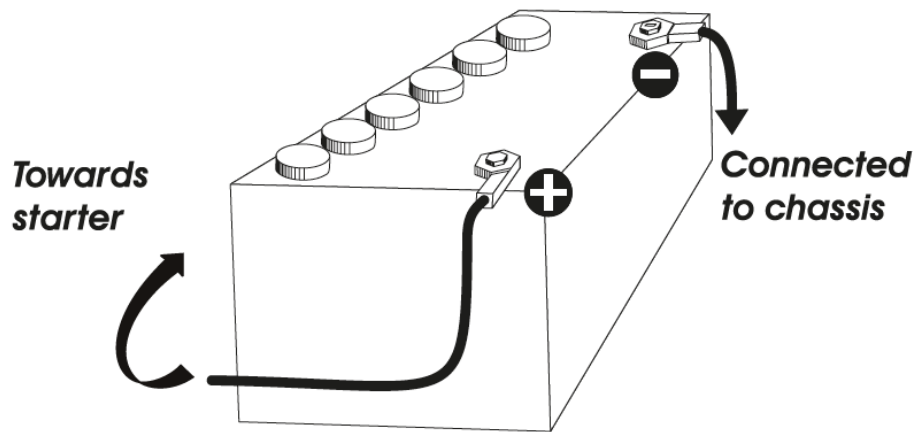
Your PRESIDENT ADAMS FCC is protected against an inversion of polarities. However, before switching it on, you are advised to check all the connections. Your equipment must be supplied with a continued current of 12 volts (A). Today, most cars and lorries are negative earth. You can check this by making 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.

- Check that the battery is of 12 volts.
- 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.
- It is necessary to connect your CB to a permanent (+) and (-). We advise you to connect the power cable directly to the battery (as the connection of the CB cable to the wiring of the car-radio or other parts of the electrical circuit may, in some cases, increase the likelihood of interference).

Connect the red wire (+) to the positive terminal of the battery and the black (-) wire to the negative terminal of the battery. Connect the power cable to your CB radio.

WARNING: Never replace the original fuse by one of a different value.



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)

- Connect the microphone.
- Check the antenna connections.
- Turn the set on by turning the volume knob VOL (1) clockwise.
- Turn the squelch SQ knob (3) to minimum (M position).
- Adjust the volume to a comfortable level.
- Go to Channel 20 using either the s/t keys (2).

ADJUSTMENT OF SWR (Standing wave ratio)

WARNING: This must be carried out when you use your CB radio for the first time (and whenever you re-position your antenna). The adjustment must be carried out in an obstacle-free area.

* Adjustment with external SWR-meter (e.g. TOS-1 PRESIDENT)

- To connect the SWR meter :
 - Connect the SWR meter between the CB radio and the antenna as close as possible to the CB (use a maximum of 15.75 inches / 40 cm, type President CA-2C).
- To adjust the SWR meter:
 - Set the CB on channel 20.
 - Put the switch on the SWR-meter to position FWD (calibration).
 - Press the «push-to-talk» switch on the microphone to transmit.
 - Bring the index needle to t by using the calibration key.
 - Change the switch to position REF (reading of the SWR level). The reading on the Meter should be as near as possible to 1. If this is not the case, re-adjust your antenna to obtain a reading as close as possible to 1. (An SWR reading between 1 and 1.8 is acceptable).
 - It will be necessary to re-calibrate the SWR meter after each ad-justment of the antenna.

WARNING: In order to avoid any losses and attenuations in cables used for connection between the radio and its accessories, PRES-IDENT recommends to use a cable with a length inferior to 118.11 inches / 3 m.
Your CB is now ready for use.

- HOW TO USE YOUR CB

- ON/OFF – VOLUME
- To turn the set on, turn the VOL knob (1) clockwise.
- If the KEY BEEP function is activated, 4 tones sound when you turn the CB radio on. Display shows during 1 second the current microphone type. See § KEY BEEP and § MICROPHONE TYPE on page 9.
- To increase the sound level, turn the same knob further clockwise.
- 2) CHANNEL SELECTOR: s/t keys
- These keys allow increasing or decreasing a channel. A «beep» sounds each time the channel changes if the KEY BEEP function is activated. See § KEY BEEP page 9.
- 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.

ASC: AUTOMATIC SQUELCH CONTROL

Worldwide patent, a PRESIDENT exclusivity.

Turn the SQ knob (3) anti-clockwise into ASC position. «AS appears on the display. 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. SC» disappears from the display.

MANUAL SQUELCH

Turn the SQ knob (3) clockwise to the exact point where all back-ground noises disappear. This adjustment should be done with precision as, if set to maximum (fully clockwise), only the strongest signals will be received.

DISPLAY

It shows all functions:

The BARGRAPH shows the reception level and the output power level.

EMG ~ EMG SETTING ~ F

EMG (short press)

Emergency channel is automatically selected when you press EMG Key (5). «EMG» is displayed.

The default emergency channel is channel 9.

New short press in EMG key (5) to go back to the current channel. «EMG» disappears.

EMG SETTING

Emergency channel can be set to any channel. To set a new emergency channel :-

Short press on EMG key (5) to call the current emergency channel.

«EMG» appears on the display.

- Long press on F key (5).
appears on the display and «EMG» blinks.
- Using the s/t keys (2), select the new emergency channel.
- Press PTT switch (8) to validate and store the new emergency channel. A validation beep sounds.

Notes: Emergency setting is not allowed if the current emergency channel is not the active channel.

F (long press)

See § F FUNCTIONS page 9.

CB/PA ~ NB CB/PA (short press)

Press CB/PA key (6) to alternate between CB and PA (Public Address) mode. An external loud speaker can be connected to your ADAMS FCC by the PA jack plug situated on the back panel PA.SP (D). The CB message received or transmitted into the microphone will be directed towards the external speaker and be amplified. Adjust the PA volume with VOL key (1).

When PA mode is activated, "PA" and "AM" blink alternatively. When PTT switch (8) is pressed, "PA" replaces the active channel on the display. Release the PTT switch (8) to display again the active channel.

NB (long press)

Long press NB key (6) to activate/deactivate the Noise Blanker filter. "NB" is displayed when NB filter is active.

NOISE BLANKER. This filter allow the reduction of back ground noise, and some reception interference.

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 45.

- PTT (Push To Talk)
- Transmission key, press to transmit a message, is displayed and release to listen to an incoming communication.

TOT (Time Out Timer)

If the transmission key is longer than 3 minutes, CHANNEL and activated or deactivated start blinking, the transmission ends. The time-out tone will sound until the PTT key is released.

- DC-POWER TERMINAL (13.8 V)
- ANTENNA CONNECTOR (SO-239)
- EXTERNAL SPEAKER JACK (8 Ω , Ø 3,5 mm)
- PA SPEAKER JACK (8 Ω , Ø 3,5 mm)

FUNCTIONS

First make sure that the priority channel is not selected and that "EMG" is not displayed. 2 functions are available.

ROGER BEEP (s key)

The ROGER BEEP sounds when the PTT switch (8) of the microphone is released in order to let your correspondent speak. Historically as CB is a "simplex" communication mode, it is not possible to speak and listen at the same time (as it is the case with a telephone). Once the conversation was over, 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. That is where the name "Roger beep" comes from.

Use the following procedure to activated or deactivated the ROGER BEEP function:

Long press the F (5) until appears on the display. Release the F (5) key and short press the s (2a) key to activate/deactivate the ROGER BEEP function.

- When the function is activated, " " appears on the display.

Note: The Roger beep also sounds in the loudspeaker if the KEY BEEP function is active. If the KEY BEEP function is not active, only the correspondent can hear the ROGER BEEP.

In PA mode the function is not allowed.

KEY BEEP (t key)

- Some operations such as changing channels, pressure on keys etc.

are confirmed by a beep tone. This beep tone can be activated or deactivated as follows:

Long press the F (5) until appears on the display. Release the F (5) key and short press the t (2b) key to

activate/deactivate the KEY BEEP function.

- When the function is activated, "BP" appears on the display.

FUNCTIONS TURNING ON THE UNIT

functions are available. Turn off the unit. Turn on the radio while pressing one or two keys to set the function.

MICROPHONE TYPE (s key)

Your ADAMS FCC allows you to use a dynamic or electret micro-phone. To select the type:

- Turn on the power while pressing the s (2a) key.
- The symbol of the current microphone type dYna (dynamic) or ELeC (electret) is displayed. Repeat this action to set the correct microphone type.
- Original 4 pins PRESIDENT microphone is electret type.

2) COLOR (EMG + CB/PA keys)

- Turn on the power while pressing the EMG (5) and CB/PA (6) keys. Symbol of the current color, among the seven, blinks: (orange), (green), (blue), (cyan), (yellow), (purple) or (cyan light).
- Use the s/t keys (2) to change the color.
- When the color is set, long press the F key (5) or press the PTT switch to validate. Beep sounds. the symbol of the setted color is shown during 1 second.

FUNCTIONS WITH PTT SWITCH

functions are available.

- To activated the function press and hold the PTT switch
- press the function key.

TALKBACK (PTT + F)

The TALKBACK function can be activated or deactivated as follows:

- Press and hold the PTT switch (8)
- Short press on F key (5). Current TALKBACK level blinks 3 times allowing you to adjust this level.

When the function is activated, "TB" appears on the display. This function allows to ear your own modulation with the CB speaker.

TALKBACK LEVEL (PTT + s/t)

when the function in on and when the level digits are blinking on the display, adjust the TALKBACK level using the s/t keys (2). 9 levels from 01 to 09.

TECHNICAL CHARACTERISTICS

GENERAL

- Channels
- Modulation modes : from 26.965 MHz to 27.405 MHz
- Frequency ranges : AM
- Antenna impedance : 50 ohms
- Power supply : 13.8 V
- Dimensions : 4.92 (W) x 5.94 (D) x 1.77 (H) inches(W) x 151 (D) x 45 (H) m
- Weight 125 ~ 1.98 lbs / 0.9 kg (

- Accessories supplied : Electret microphone with support,
- Filter : : ANL (Automatic Noise Limiter) built-in

TRANSMISSION

- Frequency allowance +/- 200 Hz
- Carrier power : 4 W RMS
- Transmission interference : inferior to – 60 dBc
- Audio response : 300 Hz to 3 KHz
- Emitted power in the adj. channel : inferior to 20 μ W
- Microphone sensitivity : 3 mV
- Maximum drain : 2 A
- Modul. signal distortion : 1.8 %

RECEPTION

- Maxi. sensitivity at 20 : 0.6 μ V – 111 dBm dB isnad
- Frequency response : 300 Hz to 3 kHz
- Adjacent Chan selectivity 60db
- Maximum audio power 3w
- Squelch sensitivity minimum : 3 W
- Frequency image rejection rate : minimum 0.2 μ V – 120 dBm maximum 1 mV – 47 dBm
- Intermediate frequency rejection rate : 70 dB
- Drain : 160 ~ 500 mA

TROUBLE SHOOTING

YOUR CB 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.

YOUR CB 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.

YOUR CB WILL NOT LIGHT UP

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

HOW TO TRANSMIT OR RECEIVE A MESSAGE

Now that you have read the manual, make sure that your CB Radio is ready for use (i.e. check that your antenna is connected). Press the «push-to-talk» switch (8) and announce your message «Attention stations, transmission testing» which will allow you to check the clearness and the power of your signal. Release the switch and wait for a reply. You should receive a reply like, «Strong and clear».

If you use a calling channel (19) and you have established communication with someone, it is common practice to choose another available channel so as not to block the calling channel.

GLOSSARY

Below you will find some of the most frequently used CB radio expressions. Remember this is meant for fun and that you are by no means obliged to use them. In an emergency, you should be as clear as possible.

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

TECHNICAL VOCABULARY

- **AM** : Amplitude Modulation CB : Citizen's Band
- **CH** : Channel
- **CW** : Continuous Wave
- **DX** : Long Distance Liaison DW : Dual Watch
- **FM** : Frequency Modulation GMT : Greenwich Meantime HF : High Frequency
- **LF** : Low Frequency
- **LSB** : Lower Side Band
- **RX** : Receiver
- **SSB** : Single Side Band SWR : Standing Wave Ratio SWL : Short Wave Listening SW : Short Wave
- **TX** : CB Transceiver
- **UHF** : Ultra High Frequency USB : Upper Side Band
- **VHF** : Very High Frequency

CB LANGUAGE

- **Advertising** : Flashing lights of police car
- **Back off** : Slow down
- **Basement** : Channel 1
- **Base station** : A CB set in fixed location
- **Bear** : Policeman

- **Bear bite** : Speeding fine
- **Bear cage** : Police station
- **Big slab** : Motorway
- **Big 10-4** : Absolutely
- **Bleeding** : Signal from an adjacent channel interfering with the transmission
- **Blocking the channel** : Pressing the PTT switch without talking
- **Blue boys** : Police
- **Break** : Used to ask permission to join a conversation
- **Breaker** : A CBer wishing to join a channel
- **Clean and green** : Clear of police
- **Cleaner channel** : Channel with less interference Coming in loud and proud : Good reception
- **Doughnut** : Tyre
- **Down and gone** : Turning CB off
- **Down one** : Go to a lower channel
- **Do you copy?** : Understand?
- **DX** : Long distance
- **Eighty eights** : Love and kisses
- **Eye ball** : CBers meeting together
- **Good buddy** : Fellow CBer
- **Hammer** : Accelerator
- **Handle** : CBer's nickname
- **Harvey wall banger** : Dangerous driver
- **How am I hitting you?** : How are you receiving me?
- **Keying the mike** : Pressing the PTT switch without talking
- **Kojac with a kodak** : Police radar
- **Land line** : Telephone
- **Lunch box** : CB set
- **Man with a gun** : Police radar
- **Advertising** : Flashing lights of police car
- **Back off** : Slow down
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GENERAL WARRANTY CONDITIONS

This device is guaranteed 2 years parts and labor in its country of purchase against any manufacturing defects validated by our technical department. PRES-IDENT After Sales Service department reserves the right not to apply the warranty in the event a breakdown is caused by an antenna other than those distributed by PRESIDENT. An extension of 3 years warranty is proposed systematically for the simultaneous purchase of a device and a PRESIDENT antenna, bringing the total duration of the warranty to 5 years. In order to be valid, the warranty registration must be completed and submitted within a period of 30 days after the purchase date to PRESIDENT ELECTRONICS online at www.president-electronics.us/warranty-registration. You can also access this warranty registration page by using your smartphone to read (application must be available) the QR code. You will receive a confirmation email if the registration is successfully completed. Please keep a copy of this email for your records. Any repair under warranty will be without charge and the return delivery costs will be borne by PRESIDENT. A proof of purchase sales receipt must be included with the device to be repaired. The dates listed on the warranty registration and proof of purchase must match. In case the device is not under warranty, the repair and return of the device will be charged.

No spare parts will be sent nor exchanged by PRESIDENT under warranty. Do not proceed with the installation of the device without reading the user manual. The warranty is only valid in the country of purchase.

Exclusions (not covered by Warranty):

- Damages caused by accident, shock or inadequate packaging.
- Power transistors, microphones, lights, fuses and the disrespect 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, over voltage...).
- The warranty cannot be extended due to the non-availability of the device while it is being serviced at PRESIDENT After Sales Service department, 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 PRESIDENT ELECTRONICS.

If you note a malfunction:

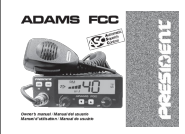
- Check the power supply of your device and the quality of the fuse.
- Check that the antenna, the microphone are correctly connected.
- Check that the squelch level is properly adjusted; the programmed configuration is the correct one.
- In the event of a real malfunction, please contact your dealer first. He will decide what action should be taken.
- In case of an intervention not covered by warranty, an estimate will be established before any repair.

Thank you for your confidence in the PRESIDENT quality and experience. We recommend that you read this manual carefully so that you are completely satisfied with your purchase.

warranty registration



Documents / Resources

| | |
|---|--|
|  | <p>PRESIDENT Automatic Squelch Control [pdf] Owner's Manual PC205, 2AEOCPC205, Automatic Squelch Control</p> |
|---|--|

References

- electronics.us
- P65Warnings.ca.gov
- Group President Electronics USA