

FCC requirements § 2.1033 (b)(3)

INSTALLATION INSTRUCTIONS

User Manual and Installation Instructions furnished to the user of the Cell-man radio transmitting device follow this page and contain 4 pages.



WireFree FM Frequency Hands free Device **Cell-man**

User Manual

Congratulations, You now own the most advanced hands free device allowing conversations to be heard through your audio system.

Features

Cell-man Attachments (see figure 1)

- 1. Cigarette lighter charger.**
 - 2. Voltage Indication LED (Green / Red).**
 - 3. Frequency Control Unit (FCU).**
 - 4. Display.**
 - 5. Key Board.**
 - 6. Back-up Internal Speaker*.**
 - 7. Microphone unit.**
 - 8. Plug-in connector.**
 - 9. Velcro holder (for the Hands free unit and the cell phone).**
- * Some models are not equipped with the speaker.**

Installation (See Figure 2)

Before installation please note:

- For your safety and for easy operation and usage, mount the cellular phone in the car phone-holder or with the enclosed velcro holder.**
- Place the Frequency Control Unit where you can easily reach the keyboard.**
- Adjust the phone's volume for clear sound (high volume might create distortions – see Adjusting Volume section).**
- Install the Hands free unit as far as possible from the radio to prevent system interference.**
- Do not install the cell phone in front of you.**

- 1. Plug the charger to the cigarette lighter jack.**
Verify that a red dot on the Frequency Control Unit's display is lit.
- 2. Insert the Plug-in connector to the cellular phone jack. If the phone does not operate automatically, operate it manually. Verify that 2 red marks on the display are lit.**

Radio Frequency preset – for your Hands free use.

1. Turn ON the radio (FM band). Find an unoccupied or weak station and preset this station to the radio's memory (refer to your radio's instruction manual). The station frequency is now programmed for Hands free use and can be recalled by pushing the designated button (for example, first button on the left of your radio is dedicated to your Hands free use).
2. Preset the Frequency Control Unit to the same frequency you've set in your radio by pressing the keyboard (left or right). Note that once you've matched the Frequency Control Unit's display to your selected station, the unit over-rides the station and no sound should be heard. If you hear any kind of background noises then continue to seek for a weaker station on the FM scale.
3. The Frequency Control Unit's display skips 50KHz every time you press the keyboard. For example, if the display shows 102 (MHz) pressing the up key (right key) twice will raise the frequency to 103. Pressing once will raise the frequency to 102.5 (will be indicated on the display as 102 and a red dot next to the digits).
Pressing the down key twice (left key) will lower the frequency to 101.
4. The frequency will automatically lock 5-8 seconds after keyboards are not in use. You will then see 2 red marks.
5. To change your preset station return to step 1.

Note that while traveling you might have to change the frequency to another station due to deviations in radio broadcasting. It mainly happens after driving long distances. In this case refer to step 1 again.

Volume Adjustment

Adjusting the volume can be done from the audio system or the telephone. Note that in order to enjoy a clear sound the phone's volume must be reduced before operating the Hands free unit.

Battery Charge

When the frequency control unit is connected to the Cigarette Lighter and to the phone, the **Cell-man** also functions as a battery charger.

Mounting Method

Your **Cell-man** comes with 2 Velcro units: one for your telephone and one for your **Cell-man**. Each Velcro has 2 sides: one side for the dashboard and the other for the telephone/ **Cell-man**. Use the attached wiper to clean the dashboard.

To Place Outgoing Calls

1. Verify that the radio is ON and the frequency is on the correct pre-programmed station.
2. Dial and send the call by pressing “Send”. You will hear the other party through your audio system.
3. Press “End” to end the conversation.
4. Return to your desired radio station by pushing your radio buttons.

To Receive Incoming Calls

1. Verify that your radio is on.
2. If your radio is off or turned to another station, an incoming call will be indicated by a phone ring.
3. Press your radio frequency preset button.
4. Press “Send” or any other key on the phone to receive the call.
5. Press “End” to end the conversation.
6. Return to your desired radio station.

Note that the **Cell-man** has a back-up internal loudspeaker in case you’d like to continue listening to the radio at all times or if you prefer not to use the radio at all (some models are not equipped with the speaker).

Troubleshooting

<u>Trouble</u>	<u>Problem cause</u>	<u>Corrective Action</u>
No power - voltage LED Is not lit.	Charger is not connected properly.	Verify charger is properly connected to cig. lighter.
Two red marks on the frequency control unit are not lit.	Improper connection between phone and plug-in connector.	Check for proper connection – insert the connector properly.
You hear the other party with an echo.	The volume of the system must be adjusted.	Adjust the volume of the system - radio volume button or cellular phone volume button.
No display of the frequency that has been selected on the frequency control unit display.	There are malfunctions in the system.	Press firmly on the left or right buttons. If the problem remains, contact your local dealer.

Specifications

* Dimensions:	5" x 1¼" x ½"
*Weight:	0.25 lb.
*Input Voltage:	11-16 VDC
*Current Consumption (no phone):	<35mA
*Current Consumption (charging):	400-600mA
*Frequency Range:	88-108MHz
*Frequency Step:	50KHz
*Working Temperature:	32° - +140°F (0° - +60°C)
*Storage Temperature:	-4° - +176°F (-20° - +80°C)
*Vibration:	IEC 721-3-5-5M2
*Shock:	30g, /11ms
*Humidity:	90% (non-condensing)
*Microphone:	Noise reduction
*FCC Code:	NZN ZO1
*Operating Systems:	GSM/TDMA/CDMA/AMPS/ N-AMPS

Warning

Any changes or modifications not expressly approved in this manual could void your warranty.

Do not expose this product to moisture, extreme temperature or high voltage.

This device is designed to operate with normally functioning battery and normally functioning cellular phone. Do not use with damaged telephone or battery.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.