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RFS 700 User Manual

Portable Wireless RF (Radio Frequency) System

CT-711 Transmitter / CR-711 Receiver

- Tour Guide
- Assistive Listening
- Simultaneous Interpretation
- Distributed Audio

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Important Safety Information

Permitted and prohibited battery types

Note that only alkaline or nickel-metal hydride (NiMH) batteries may be installed inside the CT-711 transmitters and CR-711 receivers. Installing any other battery type may cause damage, physical harm, and/or fire.

In addition, selecting the incorrect battery type from the battery selection menu may result in damage, physical harm, and/or fire.
*****See page 6 and page 14 for battery type selection procedures. This must be done prior to adjusting any other menu settings on the CT-711 transmitters and CR-711 receivers**

Attempting to charge the CT-711 transmitters and CR-711 receivers with any battery type other than nickel-metal hydride (NiMH) may result in damage, physical harm, and/or fire. Please note that the lid of the charging case must remain open when case is plugged in and/or units are charging to prevent damage, physical harm and/or fire.
*****See page 24 for procedures for caring, storing, and maintaining the RFS 700 system with NiMH rechargeable batteries**

Preventing damage to ears and hearing

Volume knob:
Turn the volume knob all the way towards "MIN" before connecting an earphone or headphones to the CR-711 receiver.

Then connect the earphone or headphones.

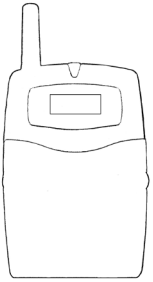
After placing an earphone on your ear or headphones over both ears, slowly turn the volume knob towards "MAX" on the CR-711 receiver until the volume is at a comfortable level.
***Never turn the volume knob all the way to "MAX" as you may potentially damage your ears and/or hearing**

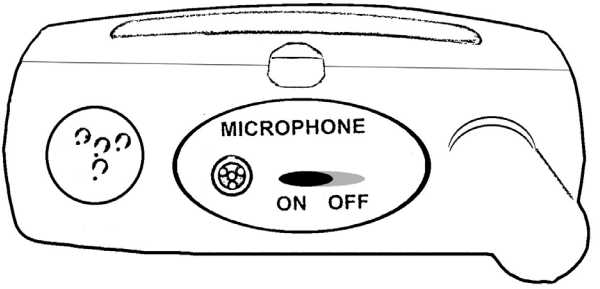
Squelch level:
It is important to set the squelch level in the room(s) in which you are planning to hold your meeting or event prior to handing out CR-711 receivers to participants.

Adjusting the squelch on the CR-711 receivers will prevent participants from hearing static if the CT-711 transmitter is powered off.
*****See page 22 for instructions on adjusting the squelch level**

CT-711 Transmitter Setup and Operation

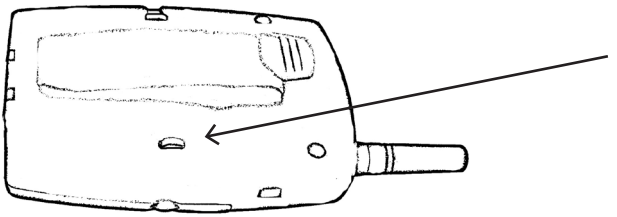
Identify and locate

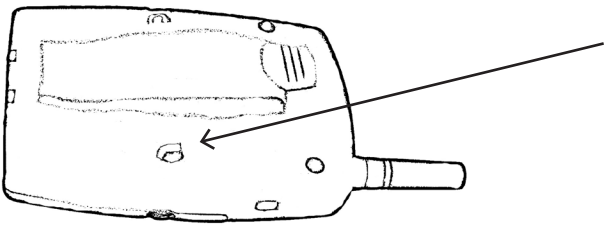




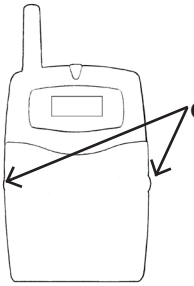
Install batteries

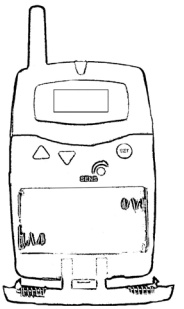
Turn the CT-711 transmitter over so that the LCD screen is face down. If the tabs are down in the locked position, pull the tabs up towards you into the unlocked position





Press both cover release buttons to open the battery compartment cover





Install two (2) AA batteries inside the CT-711 transmitter

Note that only alkaline or nickel-metal hydride (NiMH) batteries may be installed inside the CT-711 transmitter. Installing any other battery type may cause damage, physical harm, and/or fire.

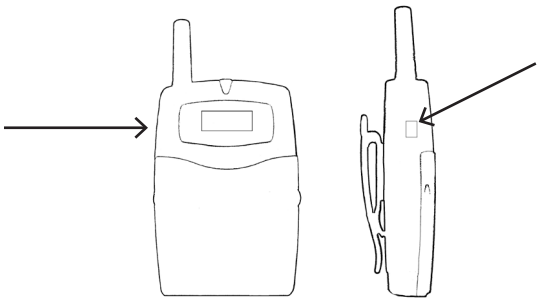
Attempting to charge the CT-711 transmitter with any battery type other than nickel-metal hydride (NiMH) may result in damage, physical harm, and/or fire.

Match the polarity markings (+ and -) on the batteries with the polarity markings (+ and -) inside the battery compartment

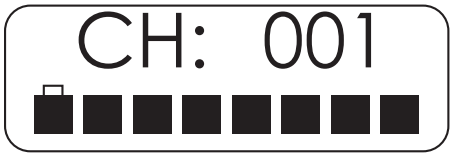
Leave the battery compartment open and move on to the next step

Select battery type

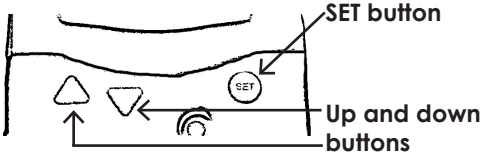
Locate the power button on the side of the CT-711 transmitter to the left of the LCD screen



Press and hold the power button until something appears on the LCD screen. The default display when the unit arrives to you brand new is as follows:



Press and release the SET button twice in order to enter the battery selection menu. Use the up or down button to move the arrow on the screen next to the appropriate battery type.



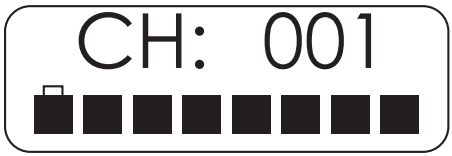
Select “NiMH” for nickel-metal hydride (NiMH) batteries or “AKLN” for alkaline batteries

Note that only alkaline or nickel-metal hydride (NiMH) batteries may be installed inside the CT-711 transmitter. Installing any other battery type may cause damage, physical harm, and/or fire.

In addition, selecting the incorrect battery type from the battery selection menu may result in damage, physical harm, and/or fire.

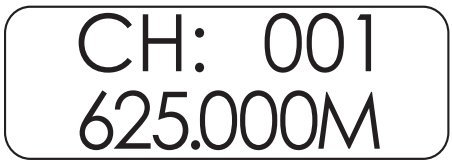
Attempting to charge the CT-711 transmitter with any battery type other than nickel-metal hydride (NiMH) may result in damage, physical harm, and/or fire.

Once you have selected the appropriate battery type, release all buttons and wait for the default screen to appear



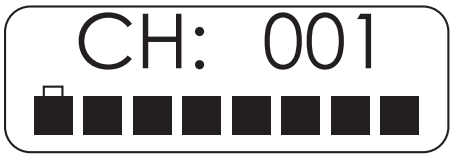
Select transmission channel/frequency

Press and release the SET button once in order to enter the channel/frequency selection menu. The following is the default display of the channel selection menu when the CT-711 transmitter arrives to you brand new:



Press and release repeatedly (or press and hold) the up or down button to scroll through the available channels. Stop scrolling once you reach your desired channel.

Release all buttons and wait for the default screen to appear. As an example, we selected Channel 001 and the following screen appeared a few seconds after we released all buttons:



Note that availability of channels/frequencies is subject to frequency traffic and/or regulations in your area.

Lock and unlock channels/frequencies

Press and release the SET button three times to open the channel lock/unlock menu. The following screen will appear:

The word "SELECT" listed underneath a channel indicates that the channel in question is unlocked. The word "DELETED" listed underneath a channel indicates that the channel in question is locked.

A channel that is unlocked will be available in the channel selection menu. A channel that is locked will not be available in the channel selection menu.

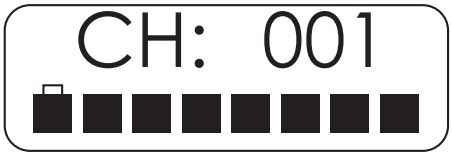
The default channel lock/unlock menu when the CT-711 transmitter arrives to you brand new will show all 100 channels unlocked (i.e. the word "SELECT" will appear underneath each channel.) You may see this by scrolling through the channels with the up or down button.

As an example, we wish to remove Channel 002 from the channel/frequency selection menu. Assuming that you have already pressed the SET button three times to enter the channel lock/unlock menu, press the up or down button to scroll to Channel 002.

Note that if you are already on Channel 002 when you enter the channel lock/unlock menu, you will need to navigate away from Channel 002 and then return to Channel 002 using the up or down button.

Press and release the SET button once so that the word "SELECT" is replaced by the word "DELETED" on the screen.

Release all buttons and wait for the default screen to appear.



Now you will no longer be able to select Channel 002 from the channel selection menu. You may try this out by pressing the SET button once and using the up or down button to scroll through the available channels/frequencies.

If you press the up button when on Channel 001, you should then see Channel 003 on the screen.

CH: 001 625.000M	CH: 003 625.500M

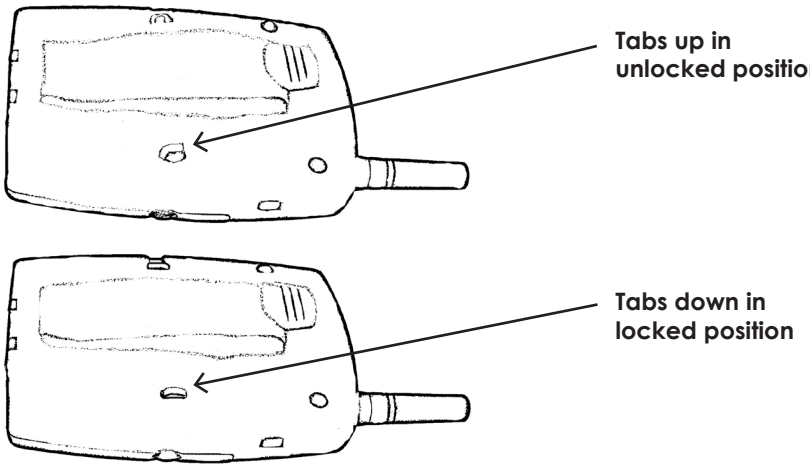
You may use the same procedure to unlock a channel. As an example, we now want to unlock Channel 002. Assuming that you have already pressed the SET button three times to enter the channel lock/unlock menu, press the up or down button to scroll to Channel 002.

When Channel 002 appears on the screen, press the SET button, so that the word "DELETED" is replaced by the word "SELECT". Release all buttons and wait for the default screen to appear.

Close the battery compartment.

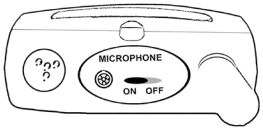
Complete setup

Turn the CT-711 transmitter over so that the LCD screen is face down. Press the tabs on the back of the unit down into the locked position



Connect microphone

Turn the CT-711 transmitter so that you can see the top of the unit



Set the microphone switch to 'ON". During operation, you may set this switch to "OFF" whenever you wish to mute your microphone.

Locate the MC-16 lavalier microphone

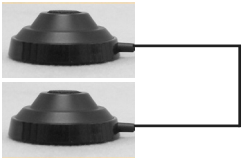
Note that the MC-16 is the standard microphone included with purchase of the CT-711 transmitter.

Other available microphone options are as follows:

M-75
Flexible Neck
Microphone

IH500
Interpreter
Headset
with CT-711
Adapter

IH502
Interpreter
Headset
with CT-711
Adapter



TM400 Table
Microphone Set
with y-cable and
CT-711 Adapter

Plug the microphone into the CT-711 transmitter by matching the pins inside the microphone plug on the transmitter with the sockets on the microphone connector and pressing down until microphone connector locks in place.

If using the IH500, IH502, or TM400 microphones, you must plug the microphone connector into the CT-711 Adapter and then plug the CT-711 Adapter into the CT-711 transmitter.

Position belt clip

You may wear the CT-711 transmitter by attaching the belt clip on the back of the unit to your belt. Note that the belt clip rotates 360°

Check battery level

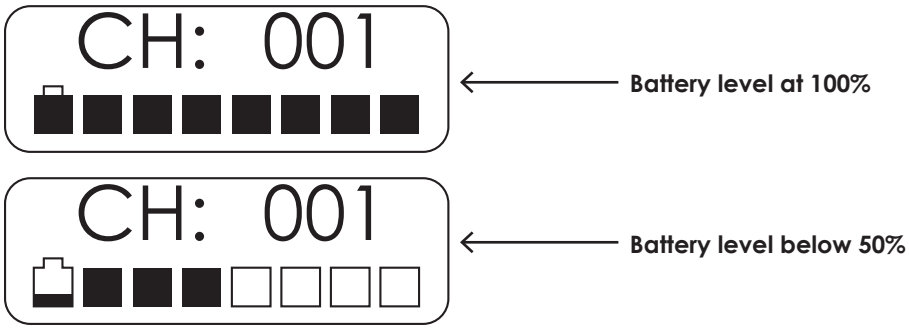
Alkaline batteries will last approximately 12 hours in the CT-711 transmitter. If using alkaline batteries, it is recommended that you install fresh alkaline batteries at the beginning of the day before your meeting or event starts.

Nickel-metal hydride (NiMH) batteries will last approximately 8 hours in the CT-711 transmitter.

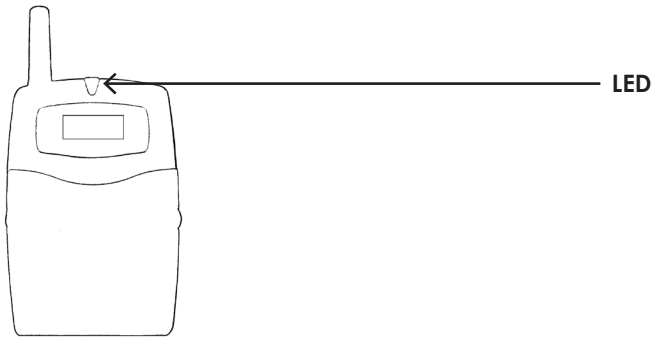
Please see page 24 for care, storage, and maintenance procedures for the RFS 700 system with NiMH rechargeable batteries in order to prevent damage, physical harm, and/or fire.

The default display on the LCD screen of the CT-711 transmitter will indicate the current battery level approximately three (3) seconds after the unit is powered on.

Note that the correct battery type (NiMH or AKLN) must be selected from the battery type selection menu in order to receive an accurate read of the battery level.



The LED at the top of the CT-711 transmitter will turn red and blink on and off repeatedly as a warning when the battery level is close to 0%. At this point, you will have approximately one minute before the CT-711 transmitter automatically powers down.



Transmission radius

Note that the CT-711 transmitter will transmit to CR-711 receivers on the same channel/frequency within approximately 100 feet (30 meters). Transmission radius and available channels/frequencies are subject to frequency traffic in your area.

Operate more than one transmitter

Up to six (6) transmitters may be operated simultaneously within the same transmission radius, provided that the following conditions are met:

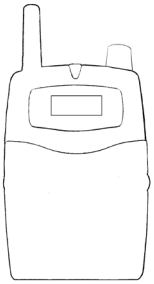
- Transmitters and receivers must be at least 3.3 feet (1 meter) apart, but no more than 100 feet (30 meters) apart
- Each transmitter must be on a unique channel/frequency
  *****Two or more transmitters set to the same channel/frequency within the same transmission radius will cancel each other out**
- Transmitters may only transmit on the six (6) non-interference channels/frequencies listed on the following chart
- Ability to use all six (6) of the above non-interference channels/

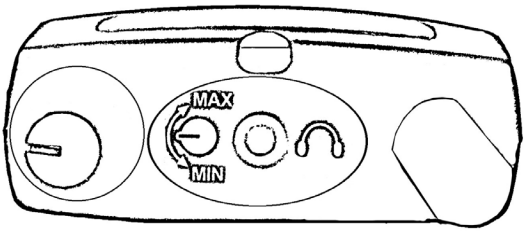
Channel	Frequency
001	625.000 MHz
003	625.500 MHz
006	626.250 MHz
020	629.750 MHz
057	639.000 MHz
070	642.250 MHz

frequencies is subject to frequency traffic in your area

CR-711 Receiver Setup and Operation

Identify and locate



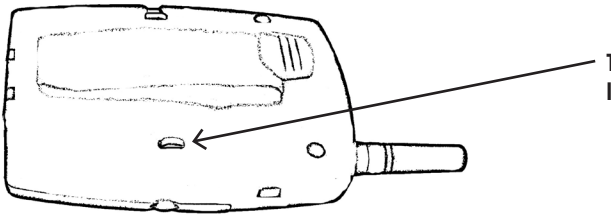


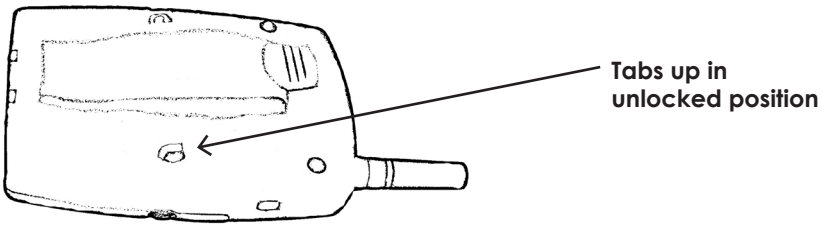
Adjust volume knob

Turn the volume knob all the way towards "MIN" before connecting an earphone or headphones to the CR-711 receiver.

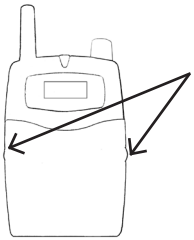
Install batteries

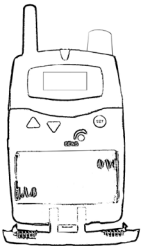
Turn the CR-711 receiver over so that the LCD screen is face down. If the tabs are down in the locked position, pull the tabs up towards you into the unlocked position





Press both cover release buttons to open the battery compartment cover





Install two (2) AA batteries inside the CR-711 receiver

Note that only alkaline or nickel-metal hydride (NiMH) batteries may be installed inside the CR-711 receiver. Installing any other battery type may cause damage, physical harm, and/or fire.

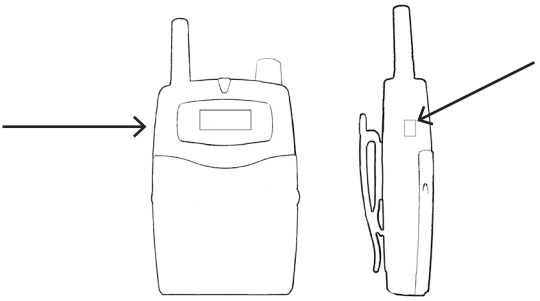
Attempting to charge the CR-711 receiver with any battery type other than nickel-metal hydride (NiMH) may result in damage, physical harm, and/or fire.

Match the polarity markings (+ and -) on the batteries with the polarity markings (+ and -) inside the battery compartment

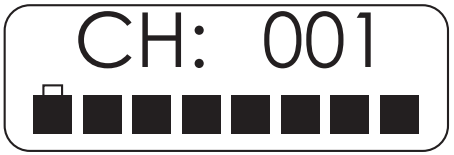
Leave the battery compartment open and move on to the next step

Select battery type

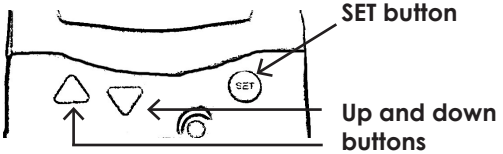
Locate the power button on the side of the CR-711 receiver to the left of the LCD screen



Press and hold the power button until something appears on the LCD screen. The default display when the unit arrives to you brand new is as follows:



Press and release the SET button twice in order to enter the battery selection menu. Use the up or down button to move the arrow on the screen next to the appropriate battery type.



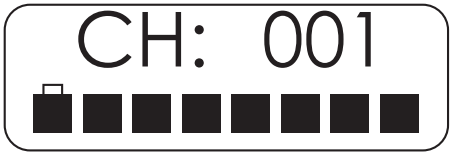
Select “NiMH” for nickel metal-hydride (NiMH) batteries or “AKLN” for alkaline batteries

Note that only alkaline or nickel-metal hydride (NiMH) batteries may be installed inside the CR-711 receiver. Installing any other battery type may cause damage, physical harm, and/or fire.

In addition, selecting the incorrect battery type from the battery selection menu may result in damage, physical harm, and/or fire.

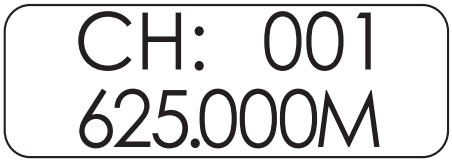
Attempting to charge the CR-711 receiver with any battery type other than nickel-metal hydride (NiMH) may result in damage, physical harm, and/or fire.

Once you have selected the appropriate battery type, release all buttons and wait for the default screen to appear



Select receiving channel/frequency

Press and release the SET button once in order to enter the channel/frequency selection menu. The following is the default display of the channel selection menu when the CR-711 receiver arrives to you brand new:



Press and release repeatedly (or press and hold) the up or down button to scroll through the available channels. Stop scrolling once you reach your desired channel. You must match the channel/frequency that you previously selected on the CT-711 transmitter.

If you are operating more than one transmitter (see page 12), you must take care to match the channels/frequencies on your CR-711 receivers to the appropriate transmitter.

Release all buttons and wait for the default screen to appear. As an example, we selected Channel 001 on the transmitter and receiver. The following screen appeared a few seconds after we released all buttons:

The speaker symbol will appear on the LCD screen of the CR-711 receiver if it is receiving a signal from the CT-711 transmitter

Note that availability of channels/frequencies is subject to frequency traffic and/or regulations in your area.

Lock and unlock channels/frequencies

The word “SELECT” listed underneath a channel indicates that the channel in question is unlocked. The word “DELETED” listed underneath a channel indicates that the channel in question is locked.

A channel that is unlocked will be available in the channel selection menu. A channel that is locked will not be available in the channel selection menu.

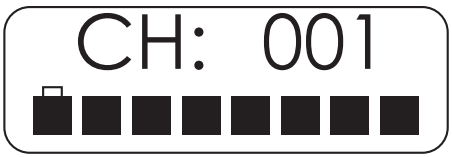
The default channel lock/unlock menu when the CR-711 receiver arrives to you brand new will show all 100 channels unlocked (i.e. the word “SELECT” will appear underneath each channel.) You may see this by scrolling through the channels with the up or down button.

As an example, we wish to remove Channel 002 from the channel/frequency selection menu. Assuming that you have already pressed the SET button three times to enter the channel lock/unlock menu, press the up or down button to scroll to Channel 002.

Note that if you are already on Channel 002 when you enter the channel lock/unlock menu, you will need to navigate away from Channel 002 and then return to Channel 002 using the up or down button.

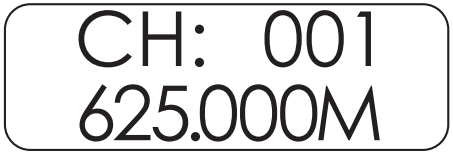
Press and release the SET button once so that the word “SELECT” is replaced by the word “DELETED” on the screen.

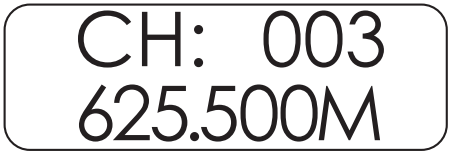
Release all buttons and wait for the default screen to appear.



Now you will no longer be able to select Channel 002 from the channel selection menu. You may try this out by pressing the SET button once and using the up or down button to scroll through the available channels/frequencies.

If you press the up button when on Channel 001, you should then see Channel 003 on the screen.





You may use the same procedure to unlock a channel. As an example, we now want to unlock Channel 002. Assuming that you have already pressed the SET button three times to enter the channel lock/unlock menu, press the up or down button to scroll to Channel 002.

When Channel 002 appears on the screen, press the SET button, so that the word "DELETED" is replaced by the word "SELECT". Release all buttons and wait for the default screen to appear.

Close the battery compartment.

Scan available channels/frequencies

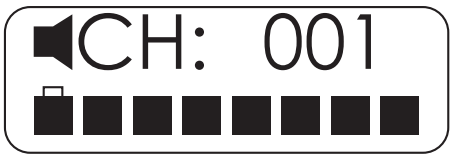
Press and release the SET button four times to open the channel/frequency scanning menu. The following screen will appear:

This menu will allow you to scan through any unlocked channels, i.e. channels visible in the channel selection menu. (See page 16 for instructions on locking and unlocking channels/frequencies.)

Press and release either the up or down button. The CR-711 receiver will scroll through all unlocked channels/frequencies, stopping on the first channel from which it detects a signal.

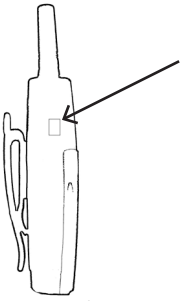
As an example, we have set the CT-711 transmitter to Channel 001. We enter the channel/frequency scanning menu on the CR-711 receiver by pressing and releasing the SET button four times. We then press either the up or down button. The CR-711 transmitter will scroll through all unlocked channels/frequencies.

The CR-711 transmitter will stop scrolling when it reaches Channel 001 and you will see the following screen:

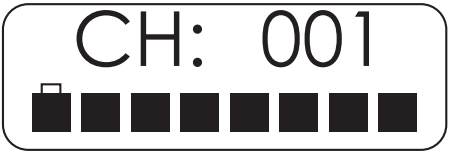


You may also use this feature to try to prevent potential interference by following the below steps:

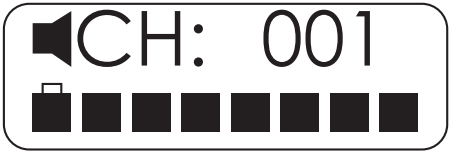
- Power down the CT-711 transmitter by pressing and holding the power button until the LCD screen appears blank



- Ensure that the CR-711 receiver is powered up
- Press and release the SET button four times to enter the channel/frequency scanning menu
- Press and release either the up or down button
- The receiver will automatically scan through all unlocked channels
- If the receiver does not detect any transmission signals, it will return to the default screen



- If the receiver does detect a transmission signal, it will stop scrolling at the first signal it detects. As an example, the receiver detected a signal on Channel 001 (625.000 MHz) and the following display appeared on the LCD screen:



This means that someone within 100 feet (30 meters) is operating equipment at 625.000 MHz.

If this is the case, it is important that you do not operate the RFS 700 system on this channel/frequency (Channel 001/625.000 MHz in this example), as you will most likely experience interference.

You may even want to lock out this channel/frequency on both the CT-711 transmitter and CR-711 receiver to ensure that no one accidentally accesses this channel/frequency. (See page 16 for instructions on locking and unlocking channels/frequencies.)

- It is recommended that if your CR-711 receiver does detect a signal, you return to the channel/frequency scanning menu and perform the scan again until the receiver has scrolled through all unlocked channels.

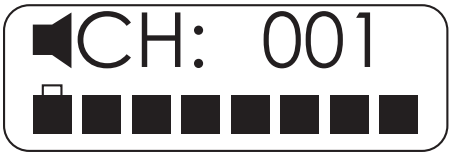
Enable or disable auto-off

Press and release the SET button six times to enter the auto-off menu. The following display will appear on the LCD screen as the default auto-off menu when the CR-711 receiver arrives to you brand new.

Press and release the up or down button to replace the word “DISABLE” with the word “ENABLE” as illustrated below:

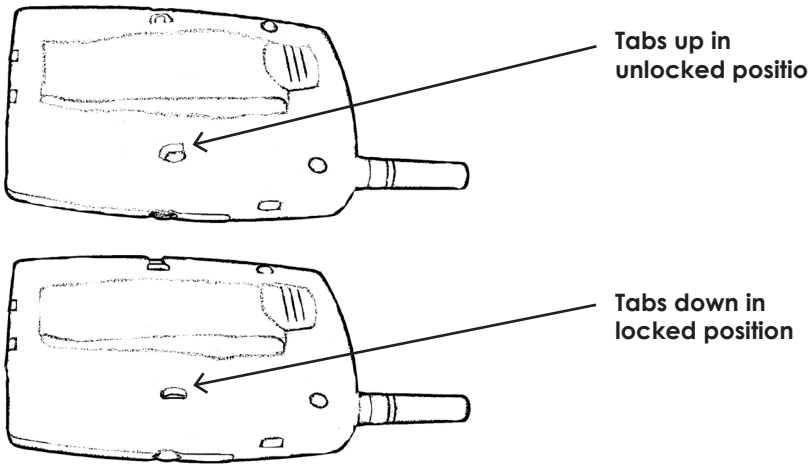
If you choose to enable the auto-off feature, the CR-711 receiver will power down if it does not receive a transmission signal from the transmitter for approximately five minutes.

Once you have selected “ENABLE” or “DISABLE” from the auto-off menu, release all buttons until the LCD screen shows the default display:



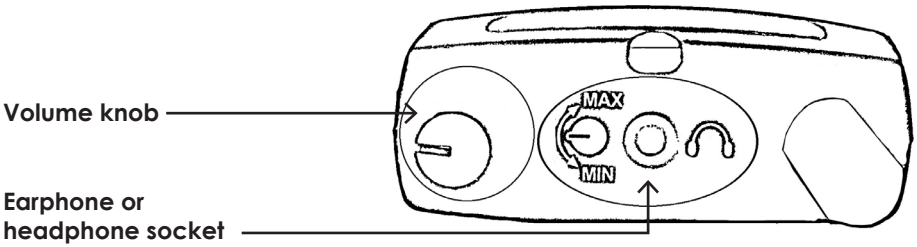
Complete setup

Turn the CR-711 receiver over so that the LCD screen is face down. Press the tabs on the back of the unit down into the locked position



Connect earphone

- Turn the CR-711 receiver so that you can see the top of the unit



- Turn the volume knob all the way towards "MIN"
- Locate the DE501 Delegate Earphone

Note that the DE501 earphone is the standard earphone included with purchase of the CR-711 receiver

The DH500 delegate headphone is available as an optional purchase

- Plug the DE501 earphone (or DH500 headphone) into the earphone/ headphone socket on the CR-711 receiver. Ensure that the plug is firmly seated in the socket
- Place the DE501 earphone on your ear (or DH500 headphone on your ears)
- Have a second person walk at least 3.3 feet / 1 meter away with the CT-711 transmitter. (Make certain that the second person is not more than 100 feet / 30 meters away.)
- Have the second person speak into the microphone connected to the CT-711 transmitter. A good idea is to have the second person repeatedly count or recite the alphabet. The idea is to transmit consistent sound.
- While the second person is speaking into the microphone, slowly turn the volume knob on the CR-711 receiver towards "MAX" until you are able to hear at a comfortable volume level.
  *****Never turn the volume knob all the way to "MAX" as you may potentially damage your ears and/or hearing**
- If you are unable to hear the person speaking into the microphone connected to the CT-711 transmitter, please follow the troubleshooting tips on page 22.

Position belt clip

You may wear the CR-711 receiver by attaching the belt clip on the back of the unit to your belt. Note that the belt clip rotates 360°

Check battery level

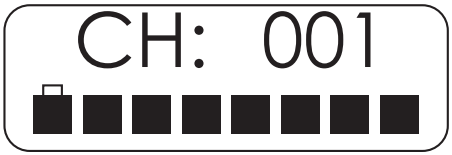
Alkaline batteries will last approximately 12 hours in the CR-711 receiver. If using alkaline batteries, it is recommended that you install fresh alkaline batteries at the beginning of the day before your meeting or event starts.

Nickel-metal hydride (NiMH) batteries will last approximately 8 hours in the CR-711 receiver.

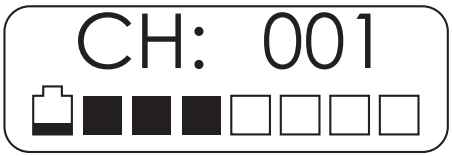
Please see page 24 for care, storage, and maintenance procedures for the RFS 700 system with NiMH rechargeable batteries in order to prevent damage, physical harm, and/or fire.

The default display on the LCD screen of the CR-711 receiver will indicate the current battery level approximately three (3) seconds after the unit is powered on.

Note that the correct battery type (NiMH or AKLN) must be selected from the battery type selection menu in order to receive an accurate read of the battery level.

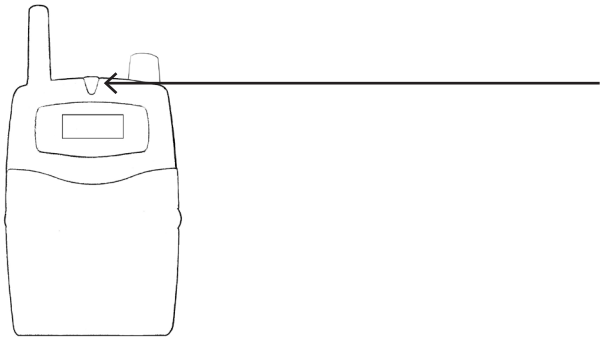


Battery level at 100%



Battery level below 50%

The LED at the top of the CR-711 receiver will turn red and blink on and off repeatedly as a warning when the battery level is close to 0%. At this point, you will have approximately one minute before the CR-711 receiver will automatically power down.



LED

Transmission radius

Note that the CT-711 transmitter will transmit to CR-711 receivers on the same channel/frequency within approximately 100 feet (30 meters). Transmission radius and available channels/frequencies are subject to frequency traffic in your area.

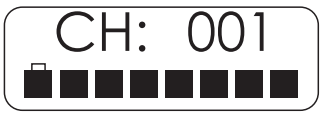
Adjust squelch level

Squelch mutes the transmission when no incoming signal is present. Squelch level 01 is the least sensitive setting and squelch level 10 is the most sensitive setting. If the squelch level is not set properly, participants may hear static if the CT-711 transmitter is powered off.

Adjust the squelch level before handing out CR-711 receivers to participants at your meeting or event by following the below steps:

- Ensure that the CT-711 transmitter is powered off
- Locate the CR-711 receiver and ensure that it is powered on
- Press and release the SET button five times to enter the squelch level menu
- All units ship with the squelch level set to 01. The following display should appear on the LCD screen:

- Press and release the up button so that the squelch is set to Level 02. If you no longer hear static, release all buttons until the following default display appears on the LCD screen:



- If you continue to hear static on Level 02, press the up button again to advance to a level in which you no longer hear static

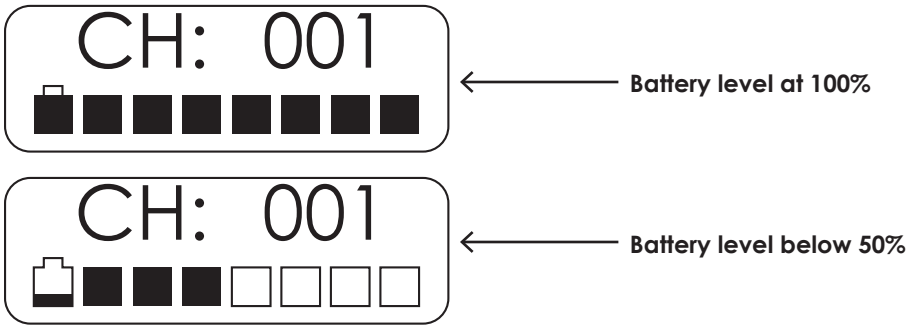
Troubleshooting

I cannot hear anything when listening with an earphone or headphone connected to a CR-711 receiver

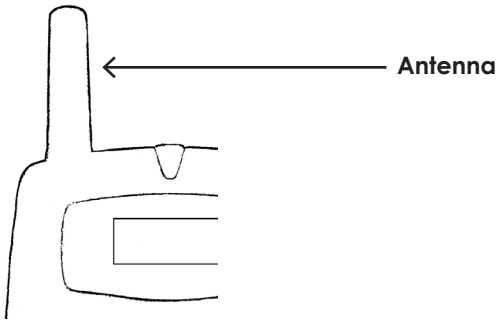
- Ensure that both the CT-711 transmitter and CR-711 receiver are powered on
- Ensure that both the CT-711 transmitter and CR-711 receiver are set to the same channel/frequency
- If you have more than one transmitter powered on, ensure that they are on unique channels and that you are operating on the non-interference channels/frequencies as instructed on page 12
- Ensure that you see a speaker symbol on the screen to the left of the channel

If you do not see the speaker symbol, you may be experiencing interference on that channel. Switch both the CT-711 transmitter and CR-711 receiver to a different channel/frequency. Ensure that you switch both units to the same channel/frequency.

- Ensure that the battery level is at 100% on both the CT-711 transmitter and CR-711 receiver



- Ensure that the earphone or headphone plug is firmly seated in the CR-711 receiver
- Ensure that the microphone plug is firmly seated in the CT-711 transmitter. If using any y-cables or adapters, ensure microphone plug is firmly seated in the y-cable and/or adapter. Then ensure adapter is firmly seated in CT-711 transmitter.
- Ensure that antennas mounted on top of the CT-711 transmitter



and CR-711 receiver are not loosened

When I power down the CT-711 transmitter, I hear static when listening with an earphone or headphones connected to the CR-711 receiver

- Adjust the squelch level (see page 22)

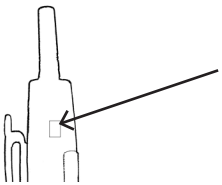
Storage and maintenance

Storing accessories

- Always disconnect microphones or headsets from the CT-711 transmitters and earphones or headphones from CR-711 receivers before storing these units
- Never tightly coil or knot the cords of microphones, headsets, earphones, or headphones and never wrap these cords around the CT-711 transmitters or CR-711 receivers. Doing so may cause the wires inside these cords to become disconnected and may cause the microphones, headsets, earphones, or headphones to become non-functional.

Storage and maintenance with alkaline batteries

- It is recommended that you install fresh alkaline batteries inside CT-711 transmitters and CR-711 receivers at the beginning of the day before your meeting or event starts.
- Power down the CT-711 and CR-711 units by pressing and holding the red button on the left side of the unit until nothing is displayed on the LCD



- Remove alkaline batteries from CT-711 transmitters and CR-711 receivers before storing these units for periods of longer than 24 hours. This prevents battery acid residue from building up inside the battery compartments

Storage and maintenance with NiMH batteries

- NiMH (nickel-metal hydride) rechargeable batteries must be installed inside the CT-711 transmitters and CR-711 receivers before attempting to charge either type of unit.

  Attempting to charge the CT-711 transmitters and CR-711 receivers with any battery type other than NiMH may result in damage, physical harm, and/or fire.

  The correct battery type (NiMH) must be selected from the battery type selection menu (see page 6) to prevent damage, physical harm, and/or fire.

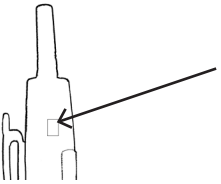
  The lid of the charging case must remain open when case is plugged in and/or units are charging to prevent damage, physical harm, and/or fire.

- You may charge CT-711 transmitters and CR-711 receivers with NiMH batteries installed inside with either the HC-32 charger, the HC-316 charging/carrying case, or the HC-330 charging/carrying case.

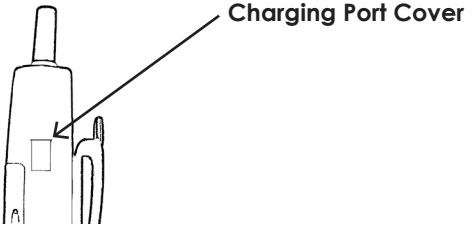
HC-32 charger

- Identify and locate the HC-32 charger

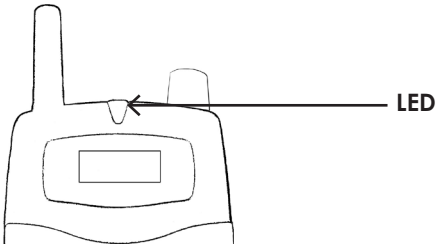
- You may charge up to two units (CT-711 transmitter/CR-711 receiver) using the HC-32
- Ensure that only NiMH batteries are installed inside the CT-711 and CR-711 units prior to charging
- Ensure that the correct battery type is selected from the battery type selection menu (see page 6.)
- Power down the unit (CT-711/CR-711) by pressing and holding the red button on the left side of the unit until nothing is displayed on the LCD



- Plug the AC power cord into the DC in slot of the HC-32 charger
- Place the unit (CT-711 or CR-711) into the slot of the HC-32 charger
- You may plug a second unit (CT-711 or CR-711) into the charging socket on the back of the HC-32 using the adapter cable. You will need to uncover the charging port on the right side of the unit (CT-711 or CR-711) to plug in the adapter cable



- When the CT-711 and CR-711 units are charging, the LED indicator on the top of the unit will turn steady red. The LED will turn green once the charging cycle is complete. The LED will turn off once the unit is removed from the HC-32

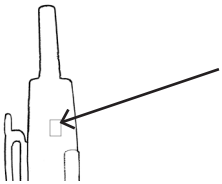


- If the red LED flashes during the charging process, make sure that the unit (CT-711 or CR-711) is firmly seated in the HC-32 charger. If charging a unit via the adapter cable, ensure that the adapter cable is firmly seated in both the unit (CT-711 or CR-711) and the HC-32 charger. If the red LED continues to flash this may indicate that the NiMH batteries have reached the end of their life cycle and need replacing.
- Note that CT-711 and CR-711 units with NiMH batteries installed require an uninterrupted 13-hour charging cycle before use

HC-316 and HC-330 charging/carrying cases

- Identify and locate the charging/carrying case

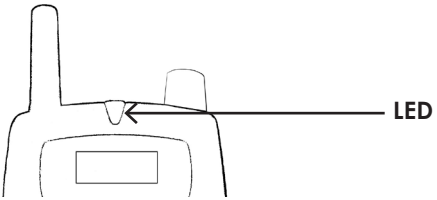
- You may charge up to 16 units (CT-711 transmitter/CR-711 receiver) using the HC-316 or 30 units using the HC-330
- Ensure that only NiMH batteries are installed inside the CT-711 and CR-711 units prior to charging
- Ensure that the correct battery type is selected from the battery type selection menu (see page 6.)
- Power down the units (CT-711/CR-711) by pressing and holding the red button on the left side of the unit until nothing is displayed on the LCD



- Connect the AC adapter to the DC in slot on the side of the charging case. Plug the AC power cord into the AC adapter and a wall outlet
- Case lid must remain open when the case is plugged in and/or units are charging.

- Place the units (CT-711 and/or CR-711) into the slots of the charging case
- When the units (CT-711 and/or CR-711) are charging, the LED indicators on the

units will flash on and off repeatedly. The LED will show a steady light when the charging cycle is complete. The LED will turn off once the unit is removed from charging case



- Note that CT-711 and CR-711 units with NiMH batteries installed require an uninterrupted 13-hour charging cycle before use
- Note that the charging case is ideal for charging, carrying, and storing CT-711 and CR-711 units. The charging case must be placed in a carton or container with sufficient packing material for protection during shipment

Specifications

CT-711 and CR-711 Specs

- LCD for display of channel selection, battery status, and menu options
- Up to 100 selectable channels
- Auto scan to find channels (CR-711 only)
- Squelch Control with 10 preset levels to adjust RF reception (CR-711 only)
- 360° rotating belt clip
- Built-in charging circuit
- RF Generation and control: PLL Synthesizer
- Frequency Range: 625 to 650 MHz
- Switching Bandwidth: 25 MHz
- Channel Grid: 250 KHz
- Modulation: FM
- Peak Deviation: ±40 KHz
- Compander: SA575
- AF Frequency Response: 80 Hz to 15 KHz ± 3dB
- AF Output: 1.2V (CR-711 only)
- THD at 1 KHz: < 0.5% (CR-711 only)
- Connector: mini-XLR (CT-711 only)
- Connector: 3.5mm, 1/8 in. (CR-711 only)
- Nominal Supply Voltage: DC 3V
- Current Consumption: 120 mA
- Battery: AA x 2 (Alkaline or NiMH)
- Dimension (in): 7.48(L) x 2.56(W) x 1.38(H)
- Weight (oz): 3.42

MC-16 Lavalier Microphone

- Type: Electret condenser microphone
- Directivity: Uni-directional
- Impedance: 1KΩ at 1 KHz
- Sensitivity: -60 dB (0 db = 1V/Pa at 1KHz)
- Frequency response: 80 ~ 16,000 Hz
- Operation voltage: 1.5 ~ 10V
- Current consumption: ≤ 0.5 mA
- S/N ratio: ≥ 60 dB
- Connector: mini-xlr socket

DE501 Delegate Earphone

- Type: Dynamic/Open
- Ear coupling: Supra-Concha/Open Back
- Impedance: 32Ω
- Frequency response: 30 Hz to 14 KHz
- Sensitivity: 98 dB
- Rated input power: 1.5 mW
- Maximum input power: 200 mW
- THD: 1.25%
- Maximum output SPL: 110 dB
- Connector: 3.5mm mono plug
- Speaker size (in): 0.9
- Weight (oz): 0.3 (without cable)

HC-32 Charger

- AC Adapter: DC 9V/700 mA
- Quiescent Current: 14 mA ± 5 mA
- Operating temperature range: 32 to 131 °F
- Dimension (in): 4.72(L) x 3.94(W) x 2.91(H)
- Weight (oz): 4.78
- Case: ABS Plastic

HC-316 and HC-330 Charging Cases

- Input voltage: DC 6.5V/3.1 A
- Quiescent current: 14 mA ± 5 mA
- Power Supply: AC 100 ~ 230V
- Dimension (in) of HC-316: 18.39(L) x 13.11(W) x 7.40(H)
- Dimension (in) of HC-330: 21.34(L) x 14.65(W) x 9.25(H)
- Weight (lb) of HC-316: 6.83
- Weight (lb) of HC-330: 13
- Material: aluminum exterior, soft foam interior

Other Optional Components and Accessories

MC-75 Flexible Neck Microphone

CT-711 Adapter (to plug in mic or headset with 3.5mm plug)

IH500 Interpreter Headset Microphone with
two (2) 3.5mm plugs (mic and headphones)

IH502 Interpreter Headset Microphone with 3.5mm mic plug

TM400 Table Microphone Set with 3.5mm plugs

DH500 Delegate Headphone

TC715 Shipping and Storage Case for 15 x CT/CR-711

Notes

AARENTAL.COM

2239 Distribution Circle
Silver Spring MD 20910

301 495 9467
Open MF 10-6