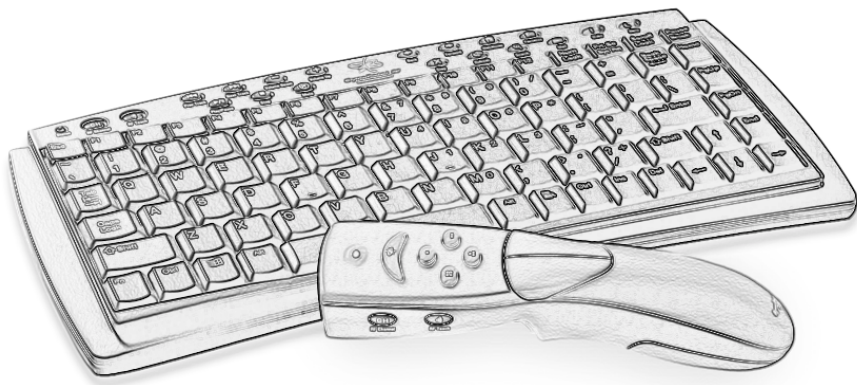


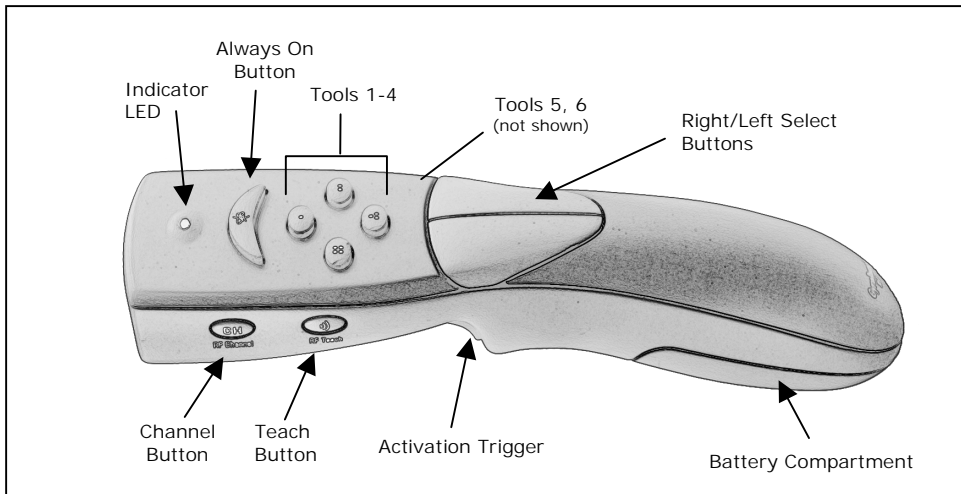
GyroRemote and Mobile RF Keyboard

User Guide



Gyration

GyroRemote



To Set Up and Synchronize the GyroRemote and the RadioLink Receiver:

1. Power on your computer and connect the RadioLink Receiver USB cable into an available USB port on your computer.
2. Follow standard USB device installation screens.
3. Insert 4 AAA batteries into GyroRemote handset.

Note: For most first time (out of box) installations, steps 4-6 are not required. Check that the GyroRemote controls the cursor (LED on Receiver should flicker while GyroRemote is actively sending data). If cursor does not move, proceed with steps 4-6.

4. Press and hold the LEARN button on the RadioLink Receiver for 2 seconds. The STATUS light will blink slowly, indicating that the receiver is in "Learn Mode."
5. Press the TEACH button on the GyroRemote handset. The status light on the RadioLink Receiver will blink rapidly for 4 seconds, then will blink slowly. Push the "Teach" button on any additional devices (i.e. keyboard or 2nd GyroRemote) at this time.
6. OPTIONAL: To exit "Learn Mode," press the LEARN button on the RadioLink Receiver for 2 seconds. Otherwise, after five minutes, Learn Mode will automatically time out.

If more than one Gyration remote and/or keyboard is being installed on the system, place the Receiver into Learn Mode (step 4 above) only once, then "Teach" each device before exiting Learn Mode. Do not push the Learn button on the receiver for each device to be added.

When the Receiver is put into Learn Mode, it erases its memory of learned devices and looks for new devices. Therefore, when adding a new device to a system it is necessary to put the Receiver into Learn Mode then Teach all devices that will be used on the system.

Note: After the Teach/Learn sequence is performed, the receiver and the device will remain synchronized after powering down and changing channels. It is only necessary to perform the Teach/Learn sequence when setting a device up for the first time or when adding additional RadioLink devices to the system.

To Determine Which Channel GyroRemote is Using:

GyroRemote has eight* individual channels available to it. To determine which channel a device is currently using:

1. Press and quickly release the CHANNEL button on the GyroRemote handset. Count the number of times the green LED light on the top of the handset flashes. The number of flashes indicates the channel the handset is using.

Note: If GyroRemote's channel is changed when the computer is powered down or the receiver is not connected, the devices will become unsynchronized. When the system is running, click and release the channel button as described above to initiate a "channel confirm" operation. GyroRemote broadcasts a message across all eight channels that informs the receiver what channel it is currently operating on. The receiver then automatically restores synchronization.

* European and other versions have fewer channels. Refer to table on page XX.

To Change the Channel GyroRemote Is Using:

When more than one RadioLink device is being used in the same proximity, each device should be set to operate on a unique channel. If more than one device is attempting to simultaneously operate on the same channel, the red "Conflict" LED on the RadioLink receiver will flicker and input control may be intermittent.

To change the channel:

1. Press and hold the CHANNEL button on the GyroRemote handset for 2 seconds. When you release the button, GyroRemote will change to the next channel and the green LED will flash. The number of times the green LED flashes indicates the new channel the handset is using.

If a Teach/Learn sequence has already been performed, it will not be necessary to re-synchronize the devices after a channel change.

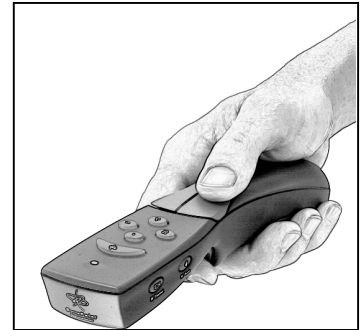
TIP: For optimal performance when using two or more devices with a single RadioLink receiver, space the devices with one or more unused channels. For instance, a system with two remotes and a keyboard should be set accordingly: remote #1 set to channel one, remote #2 set to channel 3, and keyboard set to channel 5.

Using GyroRemote

GyroRemote provides you great flexibility in how you control your computer. GyroRemote has no line-of-site requirements. This means it's not necessary to point the device at the computer, receiver, or TV screen. Find a comfortable, relaxed position and move the cursor with easy wrist movements.

The following instructions assume you have already set up and synchronized GyroRemote and the RadioLink Receiver (see setup steps above).

1. Hold GyroRemote in a comfortable, relaxed position with your index finger on the Activate Trigger and your thumb on the Select Buttons (see illustration above).
2. Press and hold the Activation Trigger with your index finger. While holding the Activation Trigger, flex your wrist up, down, sideways, in a manner similar to using a flashlight. The mouse cursor tracks the motions of your hand. Note: it is not necessary to point GyroRemote at the screen so be sure to place your hand in a relaxed, comfortable position in your lap or by your side.
3. Use your thumb to press the left/right select buttons. These buttons serve the same functions as the left/right mouse button of a standard computer mouse.
4. Double-click the Activate Button to keep the cursor continuously active. To stop the cursor, click the Activate Button once. Another way to keep the cursor continuously active is to click the crescent shaped GyroPoint Always On Button.



GyroRemote uses standard Windows and Mac mouse drivers. Cursor tracking speeds, mouse double-click speeds, and other options can be customized using the Mouse Control Panel under Windows 98, 2000, ME or Mac OS 8 and above (see operating system documentation for further information about customizing mouse properties).

Powering Off GyroRemote

After 3 minutes of non-use, GyroRemote enters a Sleep Mode that conserves battery life. In Sleep Mode the unit only uses battery power when a button is pushed. It is not necessary to power down the unit when it is idle unless the unit will be traveling and may encounter inadvertent button presses.

5. To power down GyroRemote, simultaneously press and release the Channel button and Teach button on the side of unit. GyroRemote will immediately enter deep sleep mode and will be unresponsive to button clicks. The unit will confirm it is powering off by flashing its LED three times.
6. Repeat this sequence to power the unit back on. The unit will confirm it is powering on by flashing its LED for 1 second.

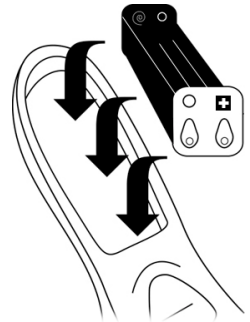
Note: It may be necessary to place the unit into deep sleep when traveling on commercial airlines due to FCC regulations regarding radio-emitting devices.

Installing or Replacing the Batteries

GyroRemote operates on four standard or alkaline AAA batteries. When GyroRemote's batteries reach 20% of a full charge the Status LED will blink when it normally lights solid. For instance, clicking and holding a button on a fully charged remote causes the Status LED to light solid. Clicking and holding a button on a remote with low batteries will cause the Status LED to blink intermittently.

To replace the batteries:

1. From the bottom of the remote, slide the battery cover open by pushing firmly downward with your thumbs.
2. Remove the battery holder.
3. Insert four new AAA batteries into battery cradle and return cradle into GyroRemote. When replacing the cradle into the remote, align the positive (+) labels. See Illustration for proper cradle alignment.
4. Replace battery cover.



Four alkaline AAA batteries will generally provide up to six months of use in a typical presentation environment.

Fine-tuning Cursor Control

GyroRemote uses your standard Windows mouse driver. Any settings that are available to a standard desktop mouse are also available to GyroRemote. Multiple factors will determine how you adjust your mouse to suit your preference including screen resolution, mouse driver version and overall personal preference.

While becoming familiar with your GyroRemote and getting a feel for the GyroPoint method of cursor control, Gyration recommends adjusting your mouse driver to the following settings:

- Pointer Speed - Average. Some new users prefer this setting to be slightly slower than average. Advanced users will increase the speed so that less wrist movement gives them more screen coverage with the cursor.
- Acceleration – Low or Off.

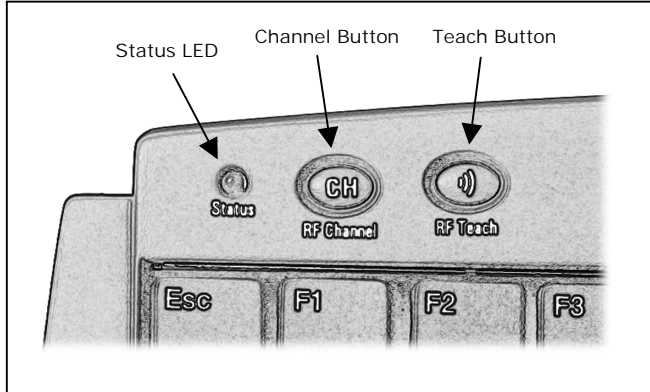
GyroTools Software

GyroTools software is a suite of professional presentation tools that enhance the functionality of GyroRemote. Assign your favorite tools to buttons 1-6 on GyroRemote and put advanced presentation techniques at your fingertips.

To install the GyroTools software, insert the GyroTools disk into your CD drive and follow the on-screen instructions. Once GyroTools is installed, you can view complete operating instructions by accessing the on-line help documentation.



Gyration Mobile Keyboard



To Set Up and Synchronize the Keyboard with the RadioLink Receiver:

1. Power on your computer and connect the RadioLink Receiver USB cable into an available USB port on your computer.
2. Follow standard USB device installation screens.
3. Insert 4 AAA batteries into Keyboard.
4. Press and hold the LEARN button on the RadioLink Receiver for 2 seconds. The STATUS light will blink slowly, indicating that the receiver is in "Learn Mode."
5. Press the TEACH button on the Gyration keyboard (see illustration above). The status light on the RadioLink Receiver will blink rapidly for 4 seconds, then will blink slowly. Push the "Teach" button on any additional devices (i.e. GyroRemote or 2nd Keyboard) at this time.
6. OPTIONAL: Press the LEARN button on the RadioLink Receiver for 2 seconds to exit "Learn Mode." Otherwise, after five minutes, Learn Mode will automatically time out.

If more than one RadioLink device is being installed on the same system, place the Receiver into Learn Mode (step 4 above) only once, then "Teach" each device before exiting Learn Mode. Do not push the Learn button on the receiver for each device to be added.

After the Teach/Learn sequence is performed, the receiver and the device will remain synchronized after powering down and changing channels. It is only necessary to perform the Teach/Learn sequence when setting a device up for the first time or when adding additional RadioLink devices to the system.

When the Receiver is put into Learn Mode, it erases its memory of previously learned devices and looks for new devices. Therefore, when adding a new device to a system it is necessary to put the Receiver into Learn Mode then Teach all devices that will be used on the system.

To Determine Which Channel the Keyboard is Using:

The Gyration Keyboard has eight* individual channels available to it. To determine which channel a device is currently using:

1. Press and quickly release the CHANNEL button on the keyboard. Count the number of times the green LED light on the top of the keyboard flashes. The number of flashes indicates the channel the keyboard is using.

Note: If the keyboard's channel is changed when the computer is powered down or the receiver is not connected, the devices will become unsynchronized. When the system is running, click and release the channel button as described above to initiate a "channel confirm" operation. The keyboard broadcasts a message across all eight channels that informs the receiver what channel it is currently operating on. The receiver then automatically restores synchronization.

To Change the Channel the Keyboard is Using:

When more than one RadioLink device is being used in the same proximity, each device should be set to operate on a unique channel. If more than one device is attempting to operate on the same channel, the red "Conflict" LED on the RadioLink receiver will flicker and input may be intermittent. To change the channel:

* * European and other versions have fewer channels. Refer to table on page XX.

1. Click and hold the CHANNEL button on the RF Keyboard for 2 seconds. When you release the button, the keyboard will change to the next channel and the green LED will flash. The number of times the green LED flashes indicates the new channel the keyboard is using.

If a Teach/Learn sequence has already been performed, it will not be necessary to re-synchronize the devices.

TIP: For optimal performance when using two or more devices with a single RadioLink receiver, space the devices with one or more unused channels. For instance, a system with two remotes and a keyboard should be set accordingly: remote #1 set to channel one, remote #2 set to channel 3, and keyboard set to channel 5.
















Powering Off the Keyboard

After 3 minutes of non-use, the keyboard enters a Sleep Mode that conserves battery life. In Sleep Mode the unit only uses battery power when a button is pushed. It is not necessary to power down the unit when it is idle unless the unit will be traveling and may encounter inadvertent key presses.

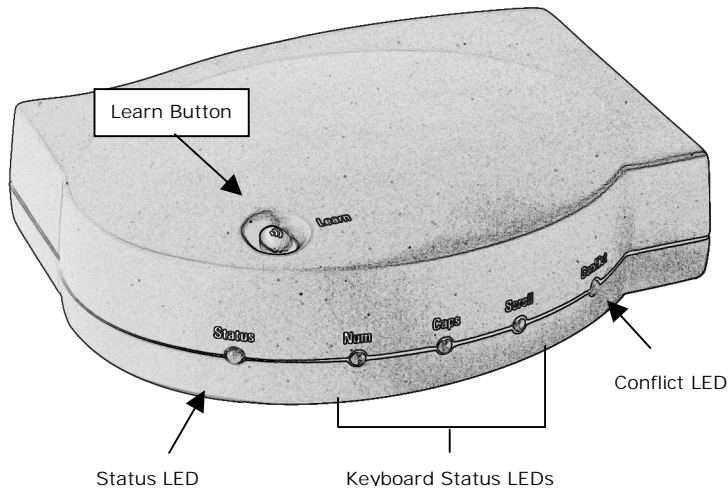
1. To power down the keyboard, simultaneously press and release the Channel button and Teach button on the top of the keyboard. The keyboard will immediately enter deep sleep mode and will be unresponsive to key or button clicks. The unit will confirm it is powering off by flashing its LED three times.
2. Repeat this sequence to power on the unit. The unit will confirm it is powering on by flashing its LED for 1 second.

Note: if the keyboard's protective cover is used, power down is not required. The cover will prevent inadvertent key presses and the unit will remain in sleep mode with no radio transmission.

Special Keyboard Media Keys

Key	OS Support	Program Support	Function
 Prev Track	Win 2000, ME	Windows CD Player, Default Media Player	CD or Media player scans for previously played track
 Play/Pause	Win 2000, ME	Windows CD Player, Default Media Player	Toggles player between Play and Pause modes
 Next Track	Win 2000, ME	Windows CD Player, Default Media Player	CD or Media player scans for next track on CD or music file
 Stop	Win 2000, ME	Windows CD Player, Default Media Player	Puts player into Stop mode
 Volume Down	Win 2000, ME	Windows sound control	Decreases Windows volume setting
 Volume Up	Win 2000, ME	Windows sound control	Increases Windows volume setting
 Mute	Win 2000, ME	Windows sound control	Mutes Windows sound volume
 Back	Win 2000, ME	Microsoft Internet Explorer	Loads the last page you viewed in the browser window
 Forward	Win 2000, ME	Microsoft Internet Explorer	Re-loads a page you viewed before clicking the Back button.
 Stop	Win 2000, ME	Microsoft Internet Explorer	Stops the loading process in the browser window
 Refresh	Win 2000, ME	Microsoft Internet Explorer	Re-loads the currently displayed page in the browser window
 Web/Home	Win 2000, ME	Microsoft Internet Explorer	Launches Browser (if closed) and loads your Home page in the browser window
 Search	Win 2000, ME	Microsoft Internet Explorer	Opens the Search frame in the browser window or, if closed, launches Windows search.
 Favorites	Win 2000, ME	Microsoft Internet Explorer	Opens the Favorites frame in the browser window
 Mail	Win 2000, ME	Default e-mail client	Launches your default e-mail client

Gyrations RadioLink Receiver



Learn Button:

Pressing the Learn Button for 2 seconds puts the receiver into "Learn Mode" allowing you to synchronize one or more devices with the receiver. After devices have been synchronized, pressing the Learn button again for 2 seconds takes the receiver out of Learn mode. If the receiver is not manually taken out of Learn Mode, it will automatically return to Normal Mode after five minutes.

Status LED:

The Status LED displays useful information about modes of operation and the connection between receiver and transmitter(s).

- ❑ The Status LED remains off when the receiver is operating in "Normal Mode" and no devices are transmitting.
- ❑ The Status LED flickers rapidly when the receiver is operating in "Normal Mode" and a synchronized device is transmitting. If there is radio interference, the flickering light will be inconsistent.
- ❑ The Status LED blinks slowly (1 blink per second) when the receiver is in Learn Mode and is awaiting a Teach instruction from a device.
- ❑ The Status LED blinks rapidly for a 4-second burst when it is in Learn Mode and processing a Teach instruction and synchronizing the receiver with the device.

Keyboard Status LEDs

The Keyboard Status LEDs indicate whether the keyboard has the Num Lock, Caps Lock and/or Scroll Lock features activated.

Conflict LED:

If an unrecognized Gyrations device is attempting to operate on the same channel as a device that has been synchronized, the red "Conflict" LED on the RadioLink receiver will flicker and input control may be intermittent.

The Conflict Light will only detect interference from another RadioLink device (i.e. not cordless phones, personal radios, etc.).

GyroRemote Troubleshooting Tips

Symptom	Reason	Solution
GyroRemote LED comes on when activate button is pressed, but receiver is unresponsive	Remote and Receiver not Synchronized	Perform a Teach/Learn sequence as described above. (page XX)
Cursor is visible but shows no movement	Gyro not activated	Squeeze the trigger, double-click trigger or press crescent shaped activation button on top of GyroRemote.
Cursor movement is choppy or erratic	Radio Interference	1. Change the device's channel setting. (page XX) 2. Move receiver away from other electronic devices (e.g. monitor, speakers, radio, etc.)
When pressing the activate button, the LED on the GyroRemote is flashing	Batteries are low	Replace batteries
When pressing the activate button, the LED on the GyroRemote is off	Batteries are dead	
Cursor moves too fast or too slow	Speed or acceleration not set properly	Change the cursor tracking speed in the mouse control panel (see OS documentation for details).
When keyboard is in use, the GyroRemote stops working	The GyroRemote and Keyboard channels are too close to each other	Find out what channel each device is on (see XXX), then change the channels on the GyroRemote device to a channel at least 2 away from the keyboard channel.

Keyboard Troubleshooting Tips

Problem	Reason	Solution
Computer does not recognize data input	Keyboard and Receiver not Synchronized	Perform a Teach/Learn sequence as described above.
	Radio interference	1. Change the device's channel setting. (page XX) 2. Move receiver away from other electronic devices (e.g. monitor, speakers, radio, etc.)
	Dead batteries	Replace batteries
Keystrokes are not consistently recognized	Radio Interference	1. Change the device's channel setting. (page XX) 2. Move receiver away from other electronic devices (e.g. monitor, speakers, radio, etc.)

REGULATORY INFORMATION

ATTENTION! THIS DEVICE EMITS RADIO FREQUENCIES AND HAS NOT BEEN CERTIFIED BY THE FAA FOR USE ONBOARD AIRCRAFT. DO NOT USE THIS DEVICE AT ANY TIME ONBOARD CIVIL AIRCRAFT. TO MINIMIZE THE POSSIBILITY OF INTERFERENCE, POWER DOWN GYROREMOTE TO ENSURE THAT GYROMOUSE REMAINS OFF DURING FLIGHT.

FCC Statement

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 radiates 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:

1. Reorient or relocate the receiving antenna (television, radio, etc.).
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for additional help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Contact Gyration, Inc., 12930 Saratoga Avenue, Bldg. C, Saratoga CA 95070. Technical Support tel: 408 973-7086. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

The GyroRemote and Mobile Keyboard operate in the frequency band of 49.82 to 49.9 MHz with RF output power of less than 30 MicroWatts EIRP (Effective Isotropic Radiated Power).

Warning: Using this product in any way other than as described in this manual or altering the antenna in any way may violate FCC rules.

FCC ID: JJ4-GP241-001 (GyroRemote), JJ4-GP221-001 (Keyboard), JJ4-AS00216-001 (RadioLink Receiver)

Canadian Radio Interference Regulations

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouil-leur du Canada.

CONTACTING GYRATION

If you have any questions on your new Gyration product, please use any of the phone/FAX numbers or addresses below:

Main Office: 408 255-3016 fax 408 255-9075

Sales: 800 316-5432 (toll-free in US and Canada)

Technical Support: 408-973-7086

email: support@gyration.com sales@gyration.com

World Wide Web: www.gyration.com

Address: 12930 Saratoga Avenue, Bldg. C. Saratoga CA 95070 USA

WARRANTY INFORMATION

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