

iRespond[®] - UltraLite Technical Manual

Wireless eSystems

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UltraLite/Lite Base Unit

Change the Base's Channel

1. Press the power button  to turn on the Lite base.
2. Immediately press F1  while Wireless eSystems scrolls across the base's screen.
3. When Device Address appears press ENT . (This number should not be altered).
4. Select ENT  at Output Power.
5. Output Channel should now be displayed.
6. Use the up  and down  buttons to change the base's channel.
7. Press ENT  four more times to save and exit configuration mode.
8. The base will automatically shut off.

Adjust the Power Output

The Power Output is set to 0 when shipped. The power output may be changed to help strengthen the RF signal when transmitting to many remotes or at far distances.

1. Press the power button  to turn on the Lite base.
2. Immediately press F1  while Wireless eSystems scrolls across the base's screen.
3. When Device Address appears press ENT . (This number should not be altered).
4. Use the up  and down  buttons to change the power.
5. Press ENT  five more times to save and exit configuration mode.
6. The base will automatically shut off.

Turning Channel Scan On/Off

It is best for the base and remote units to be on the same channel. However, channel scanning can be used to allow the base unit to find the best channel with the least amount of noise. To communicate with a base with channel scanning on, remote units must be configured with channel hopping on.

1. Press the power button  to turn on the Lite base.
2. Immediately press F1  while Wireless eSystems scrolls across the base's screen.
3. When Device Address appears press ENT . (This number should not be altered).
4. Select ENT  at Output Power.
5. Select ENT  at Output Channel.
6. Select ENT  at Channel Offset 1 and again at Channel Offset 2.
7. Use the up  and down  buttons to turn channel scan on ("Yes") or off ("NO").
8. Press ENT  again to save configuration and exit.
9. Base will automatically shut off.

Setting/Adjusting Base UID

The Lite base's UID is set before it is shipped and should not be changed.

1. Press the power button  to turn on the Lite base.
2. Immediately press F1  while Wireless eSystems scrolls across the base's screen.
3. Device Address should be displayed.
4. Use the Left  and Right  buttons to select the correct digit you wish to change.

5. Use the up  and down  buttons to change the number.

Adjusting Base Offset

The Offset is the center frequency for all remote radios, ensuring base can communicate with all remotes. The Lite base's Offset is set before it is shipped and should never be changed.

1. Press the power button  to turn on the Lite base.
2. Immediately press F1  while Wireless eSystems scrolls across the base's screen.
3. Device Address should be displayed.
4. Press ENT  three times. Base will read Offset 1.
5. Connect spectrum analyzer to base's antenna connection.
6. Offset #1 is for Lite remotes, Offset #2 is for Touch remotes. Use the Up  and Down  arrows to adjust offset until the spectrum analyzer shows the base on the center frequency for that offset.
7. Press ENT  and complete Steps 5-6 for Offset 2.
8. Press ENT  twice when complete.

Turn Base on in Programming Mode

1. Press and hold the F1  button.
2. Press and release the power  button without letting go of F1  button.
3. When USB Pgm v#.# appears, let go of F1 .
4. Base will shut off when it has completed programming

UltraLite Remote Unit

To Login by PIN

An iRespond session must be running to login to a remote.

1. Press the power  button to turn on the UltraLite remote.



2. Use the A-E      Buttons to enter the correct characters of your PIN.
3. If the PIN was entered incorrectly, the right light will blink red once.
4. Renter your PIN. (If you fail to log in again, verify your PIN with the instructor)

To Login Anonymously

Instructor must have the iRespond session set up to allow anonymous logins.

1. Press the power  button to turn on the Lite remote.
2. Press the A  button four times; ensure left light blinks orange after each press.
3. If the right led blinks red once, verify Allow Anonymous Logins was checked in Session Setup.

To Answer Multiple-Choice Questions



1. Select the appropriate A-E   button.

FCC Non-modification statement:

Changes or modifications not expressly approved by Wireless eSystems Inc. could void the user's authority to operate this equipment.

FCC Non-Modification Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.