



Remote Control RC100 Setup Guide



Uses and Feature

Escient Remote Control RC100 (Model RC100) is intended for use in a Escient® system. It is included with the purchase of select Escient controllers, but may also be purchased separately. This remote control can be used to:

- Navigate system menus and access media databases on a television or monitor
- Control system devices

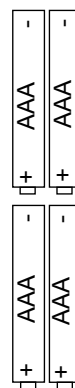
This remote control goes beyond a typical “universal” remote that simply learns IR codes from TVs, VCRs, CD players, and DVD players. Features of this device include:

- Bi-directional communication with system components
- ZigBee wireless mesh networking
- Full access to system components
- Back-lighting on keys for ease of use in dark rooms
- Quick-access buttons to select recently used audio and video devices
- Programmable buttons
- Standard control features for: Digital Satellite Systems (DSS), Cable Boxes, TV Tuners, Digital Video Recorders (DVR), DVD Changers/Players, CD Changers/Players, MP3 Players, VCRs, or TVs.
- Powered by four AAA batteries (included)

Install and Maintain Batteries

Install Batteries

Install the four AAA batteries (included with the product) into the back of the device. Ensure that you insert them into the remote control according to the diagram provided in the battery compartment (with the + and - terminals aligned correctly).



Battery Use and Care Tips

- Keep battery contacts and compartment clean.
- Remove batteries from the remote control if it is not expected to be in use for several months.
- Extreme temperatures reduce battery performance. Avoid putting the remote control in very warm places.

Battery Replacement Safety Rules

CAUTION! To prevent battery shorting, leakage or rupture:

- Use typical AAA Alkaline batteries only in the remote control.
- Do not mix battery types, such as Alkaline and rechargeable NiMH batteries.
- Do not attempt to recharge a battery unless the battery is specifically marked “rechargeable.”
- Never dispose of batteries in a fire.

Attention ! Pour empêcher court-circuiter, fuite ou rupture de batterie :

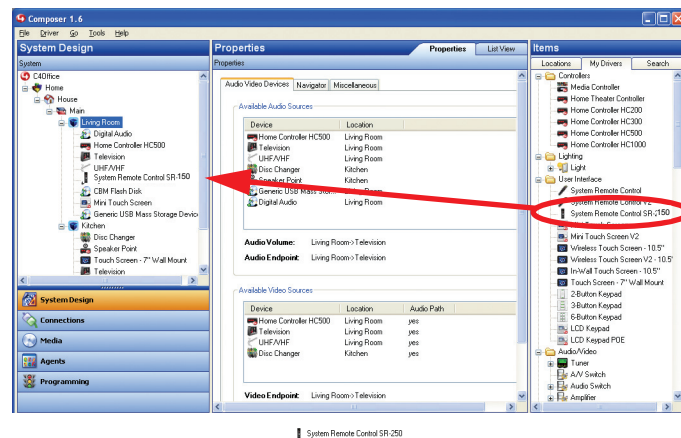
- Utilisez les accumulateurs alcalins typiques d'AAA seulement dans le commutateur.
- Ne mélangez pas les types de batterie, tels que les batteries alcalines et rechargeables de NiMH.
- N'essayez pas de recharger une batterie à moins que la batterie soit spécifiquement marqué « rechargeable ».
- Ne vous débarrassez jamais des batteries dans un feu.

Vorsicht! Das Batteriekurzschluß, -durchsickern oder -abbruch verhindern:

- Benutzen Sie typische AAA alkalische Batterien nur im Schalter.
- Mischen Sie nicht Batteriearten, wie alkalische und nachladbare NiMH Batterien.
- Versuchen Sie nicht, eine Batterie neuzuladen, es sei denn die Batterie ist spezifisch gekennzeichnetes „nachladbares.“
- Entledigen Sie nie sich Batterien in einem Feuer.

Configure the Remote Control

- 1 Start Composer and connect to the controller.
- 2 In the System Design view (selected by default), select the room where the Remote Control will reside.
- 3 Under the My Drivers tab, locate the System Remote Control SR-150 (RC100) under the User Interface section.



Note: RC100 is the same as the System Remote Control SR-150. The SR-150 is the product that needs to be selected in the composer software.

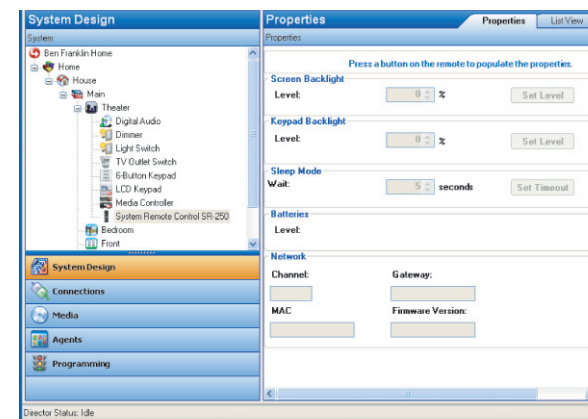
- 4 Double-click SR-150 (RC100) to add the device to the project tree.

- 5 Identify the RC100:
 - a. In the Connections view, go to the Network tab.
 - b. Select Remote Control SR-150 (RC100) in the center pane.
 - c. Click Identify (or right-click and choose Identify).
 - d. When prompted to do so, press the Blue Zone Button on the remote four times to have the device identify itself to the Escient system.

Note: To complete the identification process, the remote must be on the same ZigBee channel as the controller and the controller must have Zserver enabled. If you need to change the ZigBee channel on the remote, see step 7.

- e. Once the MAC address appears in the window, click Close.

- 6 Change Remote Control properties as needed in Composer: In the System Design view in the project tree (left pane), select the Remote Control SR-150 (RC100) object to display the remote's properties. The modifiable properties include:



- **Keypad Backlight**—Set the light level (brightness) of the keypad backlight. Choose a percentage from 0 (Off) to 100 (full brightness).
- **Sleep Mode**—Set how long the remote stays awake after no activity. The default setting is 15 seconds, but can be extended up to 60 seconds or can be reduced down to 0 to conserve battery life.
- **Battery Level**—Displays current strength of batteries.
- **Channel**—Displays the ZigBee channel (1-14) set for the RC100, which should match the ZigBee channel set for the controller.
- **Gateway**—Displays the MAC address of the zigbee server (usually your controller unless you specify differently).
- **MAC**—Displays the remote's own MAC address.
- **Firmware Version**—Displays the current firmware version.

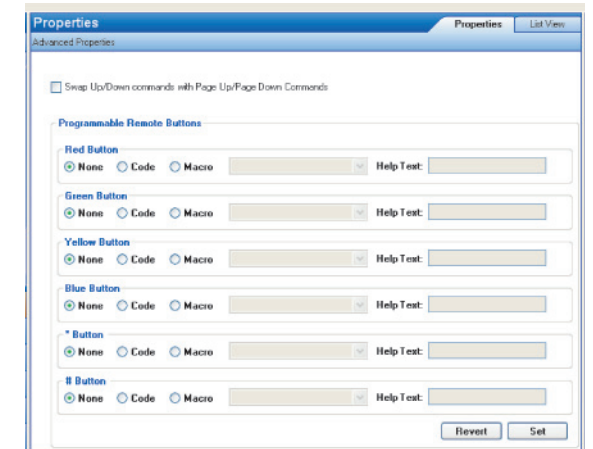
- 7 Change Remote Control settings as needed at the RC100 remote itself by using the applicable button-press sequence:

- a. **Change Backlight Level**—To increase or decrease the backlight level: Press Room Off, 0, 0, 1 (in that order). After a single blink of Room Off, use the up or down arrow to set the level, then press Room Off to exit Edit mode and save the setting.
- b. **Check ZigBee Channel**—To determine the current ZigBee channel: Press Room Off, 0, 0, 3 (or Room Off, 7, 4, 7) (in that order) then count the blinks of Room Off. The number of blinks corresponds with the channel number.
- c. **Change ZigBee Channel**—To change the ZigBee channel in order to match the controller's channel (which is sometimes changed to improve reception): Press Room Off, 0, 0, 2 (in that order). After a double blink of Room Off, key in the new ZigBee channel on the keypad (supported channels are 01 - 14), then press Room Off to exit Edit mode and save the setting.
- d. **Reset to Factory Defaults**—To reset all settings to the factory defaults (including ZigBee channel default of Channel 14): Press Room Off, 9, 9, 9.

Program the Programmable Buttons

On the Remote Control Version RC100, you can program 6 soft buttons (Red, Green, Yellow, Blue, *, and #) to perform programmed activities. These buttons can be programmed to execute any of the AV device's macros or IR codes. Program these options using the AV device property page.

- 1 Start Composer and connect to a Director.
- 2 Ensure the System Design view is selected.
- 3 Ensure that you have the following devices in your project:
 - Controller
 - Remote Control RC100
 - An AV device to be controlled
- 4 Select Connections view.
- 5 On the Network tab, ensure the controller and the Remote Control are both network identified (have a network address).
- 6 Program the programmable buttons (Red, Green, Yellow, Blue, *, or #) either based on the selected AV device or the selected room.



Based on AV Device (pictured):

- a. Select System Design view.
- b. Select an AV device to display the device's Properties page.
- c. On the device's Properties page, choose Code or Macro for the button you want to program, then choose a code or macro from the drop-down list, edit Help text as needed, and then choose Set. **Note:** Help text describes custom programming to end-users under the House option in any of the system navigation devices. For example: (1) In System Design view, select Disc Changer. (2) Under Red button, choose Code. (3) From the drop-down list, choose Subtitle. (4) Choose the Set button to create a Subtitle button.

Based on Room (not pictured):

- a. Select Programming view.
- b. Select a room in the Device Events pane.
- c. Select the Commands radio button in the [Room] Events pane.
- d. Use the drop-down menu to select a command or button (such as “Blue Button”).
- e. Build the script using items from the Action pane to program the actions desired in the room selected when the selected command or button is used.

For more on programming, refer to the Composer Help file.

Regulatory Compliance




FCC

FCC ID: R33C4SR150Z

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.

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.

 **IMPORTANT!** Changes or modifications not expressly approved by Escient could void the user's authority to operate the equipment.

Important ! Les changements ou les modifications pas expressément approuvés par Escient ont pu vider l'autorité de l'utilisateur pour actionner l'équipement.

Wichtig! Die Änderungen oder Änderungen nicht ausdrücklich genehmigt durch Escient konnten die Berechtigung des Benutzers aufheben, um die Ausrüstung laufen zu lassen.

Industry Canada

Canadian ID: 7848A-C4SR150Z

This Class B digital apparatus complies with Canada ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Australian/New Zealand Compliance



- AS/NZS 4268:2003 + A1:2005 & A2:2006. **N14161 2703**

CE Declaration of Conformity



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Product: **Remote Control**, Model No: **RC100**

The undersigned hereby declares, on behalf of Escient Corporation, that the above-referenced product, to which this declaration relates, is in conformity with the provisions of:

- Council Directive 89/336/EEC (May 3, 1989) on Electromagnetic Compatibility
- Council Directive 1999/5/EC (Mar 9, 1999) on Radio & Telecommunication Terminal Equipment (R&TTE)
- Council Directive 73/23/EEC (Feb 19, 1973) on Low Voltage Equipment Safety
- Council Directive 93/68/EEC (Jul 22, 1993) Amending Directives 89/336/EEC and 73/23/EEC

and has been tested to the requirements of, and shown to be in compliance with, the following requisite standards:

- EN 55022 Class B.
- EN 55024:1998+A1+A2 Information technology equipment - Immunity characteristics - Limits and methods of measurement.
- EN 300 328-2 V1.4.1 — Wide band transmission systems; data transmission equipment operating in the 2.4GHz ISM band. Harmonised EN covering essential requirements under Article 3(2) of the R&TTE Directive.

Recycling



Limited 2 Year Warranty

Limited 2-year Warranty. Refer to www.escient.co.uk/warranty

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Part Number: RC100_0409