

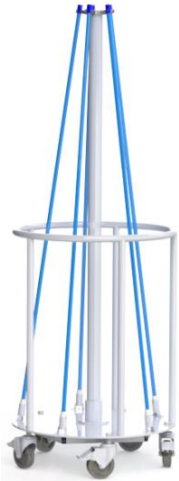


# Installation and Operation Instructions

## Remedial In-Room Decontamination System (RIDS)

Patents 6,313,470, 6,372,186, 6,423,882, 6,500,267, 6,589,476, 6,627,000 & others pending.

Made in USA



**CAUTION:** Install and remove Emitters from system only by grasping ceramic ends, not glass (as glass may break).

**NOTE:** Read this entire instruction sheet before starting the installation.

### IMPORTANT CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult your supplier or Steril-Aire for information or assistance. In regard to the statements below, understand the signal words **DANGER**, **WARNING**, or **CAUTION**. These words are universally used for overall safety. **DANGER** identifies the most serious hazards which will result in severe personal injury or death. **WARNING** signifies hazards which could result in personal injury or death. **CAUTION** is used to identify unsafe practices resulting in minor personal injury or product and property damage.

**WARNING:** Before performing fixture installation, maintenance, or service, ensure unit is disconnected from power. Electrical shock can cause injury or death.

**CAUTIONS:** Never expose eyes or skin to UVC light from any source. Wear gloves, face shield/glasses (per ANSI Z87.1) and cover all exposed skin.

- Do not touch Emitter glass without gloves. Damage to Emitter may result. Oil from fingerprints will permanently etch glass of Emitter and weaken structure. If necessary, clean Emitter using the included Steril-Aire cleaning kit (isopropyl alcohol and a lint-free wipe may be substituted).
- Voltages outside of the range designed for the unit will void the warranty and do permanent damage to the entire unit.
- Emitter contains a small quantity of mercury. If an Emitter breaks, clean and dispose of with care.
- UVC energy may cause damage to non-metallic components except for UV-rated surfaces. Select operating locations that prevent exposure to vulnerable components. If operating locations are limited, such components shall be protected with UV resistant material such as aluminum foil, aluminum duct tape, metallic shields, etc.
- Keep out of water.

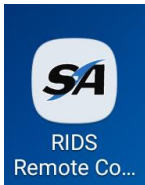
### UNPACKING

1. This unit comes fully assembled.
2. Wear safety glasses and gloves.
3. Unpack contents and inspect for damage.

# REMOTE CONTROL

If you ordered a remote-control device, the RIDS remote control APP has been installed and tested on an Android compatible device. Install the battery. Turn on the remote. Plug in the RIDS.

Locate the SA logo on the remote control and tap to open the remote. Press the connect button at the bottom of the screen to connect to the RIDS. Enter run time in hours, minutes and seconds. The maximum run time is 99:59:59, approximately 4 days. Evacuate room before pressing start. Press the start button. Emitters will illuminate and the display will count down. When 00:00:00 is reached, emitters will turn off. The stop button will turn off the emitters immediately and clear the display.



The controller has a high-power transmitter and can communicate with the RIDS from up to 300ft or 100m away with a clear path. Concrete, sheetrock and other materials will decrease the range of the controller.

Once communications are lost, the unit will not control the RIDS. Once in range, communications can be re-established by pressing the connect button.

**Change Device:** Use this menu to select other RIDS to control. Only paired devices are visible.

**Changing BT Friendly Name:** If you change the Bluetooth Friendly Name, remember to go to the Android settings menu and establish a pair with your new friendly name. Never give multiple devices the same name.

If communications cannot be established, power cycle the RIDS and restart the application.

The screenshot shows the RIDS Remote Control app interface with several annotated features:

- Cleaning Time Entry And Remaining Time:** A digital display showing 01:26:27.
- Keypad Duration:** A numeric keypad with buttons for digits 1-9, 0, CLR, and START.
- Start Cleaning:** A large red STOP button.
- Emergency Stop:** A button labeled CONNECT.
- Establish Connection:** A button labeled CONNECT.
- Connection Status, Name and MAC Address:** Text indicating the device is connected to Steril-Aire RIDS-0000 with MAC address 88:6B:0F:51:4A:B9.
- Dropdown Menu:** A menu with options: About, Disconnect, Go Steril-Aire, Change Device, Settings, Change BT Friendly Name, and Change BT Password.
- About:** Steril-Aire contact information: 2840 N. Lima Street, Burbank, California, 91504, (818) 565-1128, sales@Steril-Aire.com, www.Steril-Aire.com.
- Change Device:** A list of available devices: OSEPPBT, SANDY-PC, WT11u-A, Sandford's iPad, and Steril-Aire RIDS-0000.
- Change BT Friendly Name:** A dialog box for entering a new friendly name, currently showing Steril-Aire RIDS-0000.

## Updates:

Open Rids Remote Control. Select updates in the drop-down menu. Select a browser (chrome). Select download. Press the open button. Select package installer. Select settings. Select unknown sources. Select OK. Select ALL. Select install. Select open.

Your updates may differ than that described above depending on the Android and Browser version.

You can also install on your android phone or tablet at this location <http://www.steril-aire.com/tools/SterilAire.htm>. Case sensitive.

## OPERATION

1. Move RIDS into middle of area to be cleaned.
2. Plug supplied cord into RIDS. if an extension cord is necessary, use MIN 16 AWG.
3. Plug the RIDS into a power outlet.
4. Evacuate the room of all persons.
5. Press the connect button on the remote control
6. Key in the desired cleaning duration in hours, minutes and seconds.
7. Press the start button, the counter should start counting down.
8. When the counter reaches 00:00:00, cleaning has finished.
9. If the count freezes, try to reconnect when you are in range.
10. Even if communications are lost, the RIDS will continue to clean for the duration.
11. Wear glasses and completely cover your body when exposed to UVC.

## MAINTENANCE

### Replacing Emitters:

**Always wear safety glasses and gloves before removing Emitters. When removing Emitters from clips, always grasp the ceramic ends; never hold onto glass (as glass may break).**

Emitters need to be periodically replaced to maintain design output. The change-out basis depends upon the application, number of times switched on/off per day, and the hours of operation. Emitters are to be replaced when output falls to 50% of initial output (or as specified) by actual radiometer measurements. If a radiometer is unavailable, Emitters should be replaced after 9,000 hours of use.

## TROUBLESHOOTING

Symptom	Recommended Action (in order of priority)
Emitter™ Does Not Light	<ol style="list-style-type: none"> <li>1. Turn off power for 10 seconds, and then turn power back on.</li> <li>2. Replace Emitter with new unit. Normal replacements recommended once per year.</li> <li>3. Check line voltage.</li> <li>4. Check wiring to Emitter.</li> <li>5. Replace power supply.</li> </ol>
Low Output (Radiometer Reading) or Visibly Weak Light	<ol style="list-style-type: none"> <li>1. Replace Emitter with new unit.</li> <li>2. Check line voltage.</li> <li>3. Check wiring to Emitter.</li> </ol>
Red/Orange Light	<ol style="list-style-type: none"> <li>1. Check ambient temperature. If the temperature is at or below 35°F, Emitter is too cold to operate properly.</li> <li>2. If ambient temperature is in excess of 35°F, follow actions for the Low Output symptom.</li> </ol>

## ORDERING INFORMATION

Part Number	Description
10000177	Power Supply, 120-277 V
21000811	EGTS 61 VO Emitter

Thank you for choosing the #1 "UVC for HVAC" product sold worldwide. Please contact your local supplier or Steril-Aire directly if we can provide any further information or service. Your satisfaction is very important to us.

Please call **1-800-2-STERIL** or log onto **www.steril-aire.com**.