

Scientific Atlanta Cable Boxes: Models 3100HD, 3250 and 4200 Series

Installers have noticed problems with the Scientific Atlanta models 3100 HD, 3250 and 4200 Series responding to IR repeater systems, especially installations with plasma screens. These units should operate at the 56 KHz IR frequency. The manufacturer has reported that they have two off site suppliers; the domestic supplier has tuned the circuit to respond at 56.9 KHz, while the foreign supplier has reportedly tuned it's circuit to 37.8 KHz.

The X4056 dual processor IRTarget from Audioplex will perform well at either of the above frequencies and the Plasma-Proof IRtargets are the best in the industry for consistent operation with plasma screens.

It has been also been discovered during testing that the above Scientific Atlanta units are very sensitive to IR signal strengths and are easily overwhelmed and will not operate if the signal is too strong. The Audioplex adjustable IRBug allows you to adjust the signal strength to match the component being controlled, making it the perfect choice for use with Scientific Atlanta cable boxes.

The technical department at Audioplex Technology has worked out a wiring modification of it's standard setup to allow an emitter to be placed on the Scientific Atlanta IR sensor. See the diagram to the right.



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