

Tech Tip

IR Control of Hughes H20 DirecTV Receiver

The Hughes H20 DirecTV receiver has an extremely sensitive IR sensor that can be overmodulated by an emitter placed directly on the IR window. This can be prevented by placing the emitter 1 to 1.5 inches from the window or by inserting a 680-ohm, ½-watt resistor (RadioShack catalog #271-1117 or equivalent) in series with the emitter's positive lead. Using a resistor will limit voltage to the emitter.

With either method, it may be necessary to move the emitter around to find the "sweet spot," where the receiver responds reliably to IR commands.

Note: When using a resistor, connect it as shown below. Be sure to insulate the leads to prevent shorting the connection.

