TracVision® Satellite Television Application Note

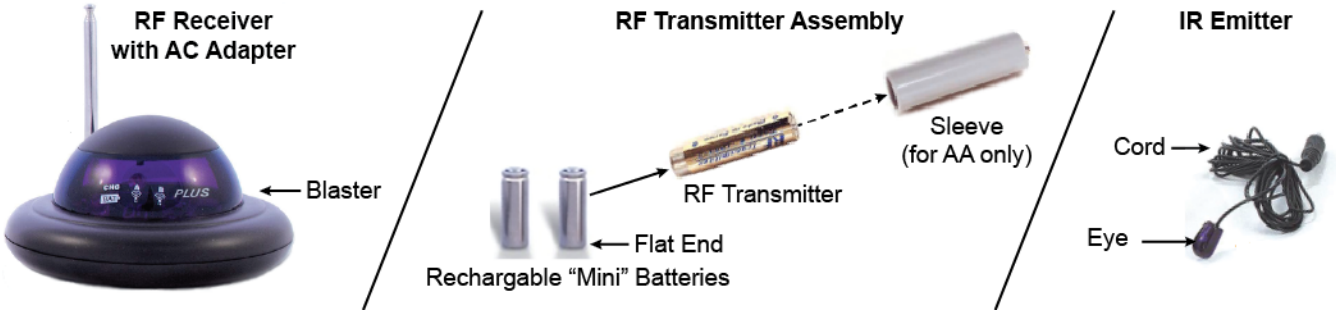
AppNote1502 **May 7, 2015**

TracVision RV1 and TV-Series IR-to-RF Extender for DISH Remote Line-of-Sight Problems

TracVision RV1 and TV-Series antenna systems with DISH Network® ViP series satellite receivers that are not within the line-of-sight of the remote control require an IR-to-RF extender to control the receiver.

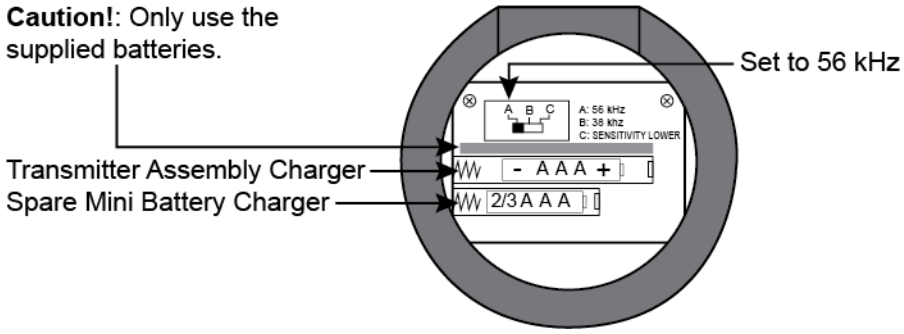
Adding a NextGen **Remote Extender Plus** to the system converts the customer's existing DISH IR remote control to Digital RF allowing remote operation without direct line-of-sight (for details, see www.nextgen.us).

Figure 1: NextGen Remote Extender Plus Parts



Simply replace one of the remote's batteries with the **RF Transmitter Assembly**, install and set the **RF Receiver** to **56 kHz** (position A) as shown in Figure 2, then position the "**Blaster**" towards the DISH receiver or attach the **IR Emitter** "eye" directly over the DISH receiver's IR sensor.

Figure 2: RF Receiver Built-in Charger and Configuration Setting

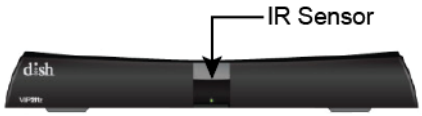


Notes:

- Alert the user that the battery/transmitter package that is installed in the DISH IR remote can be mistaken for a standard battery and is prone to being accidentally discarded during battery replacement.
- For the Blaster on the front of the RF Receiver to be effective, be sure to positon it where the IR signal can consistently communicate with the DISH receiver.

- If the IR Emitter is used, its eye needs to be positioned over the IR sensor on the DISH receiver.

  Figure 3: Example IR Sensor Location



- Be sure that the frequency switch on the RF Receiver is set to **56 kHz** (position **A**).
- Refer to the manufacturer's instructions provided with the NextGen Remote Extender Plus for details.