

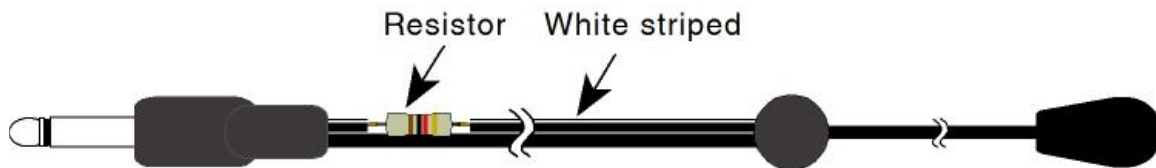
Assemblies Affected: 291-10,291-80,29195,480-00,480-85, 780-10,780-80, 780-95,490-00,490-85,490-95

Symptom: DIRECT TV® DTV HR20 and HR21 won't respond or respond sporadically.

Cause: IR Receiver in cable box too sensitive

When utilizing any of the above IR Receivers with DIRECT TV® DTVHR20 and DTVHR21 DVR, you may encounter no or sporadic response. This is attributed to the IR Receiver window within the cable box operating extremely sensitive and can be easily saturated or overdriven. If backing the emitter off 1-2 inches allows for control, please read on.

You may place a 470ohm, 750ohm or 1000ohm resistor in series with the IR line of the 283M emitter (white stripe). Then re-position the emitter back onto IR receiver window of the sat receiver.



As an alternative, you may simply replace any of the above IR Receivers with the NEW Xantech Plasma Friendly 480-95 with adjustable sensitivity. It's the only Xantech IR receiver that offers adjustable sensitivity. Sensitivity would need to be decreased.

SENSITIVITY ADJUSTMENT

The 480-95 is preset at the factory for optimal performance. However, some conditions may require fine tuning. Carefully remove the plastic circular cap to access the sensitivity potentiometer. The potentiometer is a highly precise and sensitive component, please be gentle when accessing and turning the potentiometer. The factory default is 12 o'clock position.

Clock-wise (CW)	Increase sensitivity
Counter Clock-wise (CCW)	Decrease sensitivity