

SLATS offers to loan ATV Station gear for prospective ATV hams!

The St Louis Amateur Television Society (SLATS) has ATV equipment to loan out to prospective hams who express an interest in getting into ATV. The repeater is located in NW County (Maryland Heights) and its coverage is approximately 15-20 miles with a 70cm Yagi (vertically polarized) approximately 35 feet up. Coverage can be much further or shorter...just depends on your location and type of antenna.

Google Maps can be helpful in showing your QTH's and the repeater's height above ground. A line of site path (LOS) is always best but may not be needed dependent on distance to the repeater. Check out the slatsatn.net web site for the repeater location in respect to your QTH.

The first step for an interested ham is to borrow one of our digital ATV receivers. The purpose is to prove to yourself and us that you can actually receive the DVB-T signals from the WOATN/R Repeater.

If successful in receiving, then we are willing to loan the gear needed to transmit too. The loans are not permanent, but for a short term allowing others who may want to borrow the equipment. If the prospective ATV ham then decides to really jump into ATV, we expect him/her to then purchase their own ATV gear.

The following is a list of the equipment for loan:

1. HI-Des HV-110 Digital ATV receiver and if needed, a 70cm vertical or yagi antenna with coax.
If successful in receiving the repeater, then the next step is transmitting ATV video with a set up as described in step 2. Note: We assume you will have a HiDef TV set or PC monitor with HDMI for connecting to the receiver's output.
2. An ATV station with the transmitter (HV-310 or 320), a 10w amplifier, cables and DVB-T Interface.
A Camcorder or equivalent is recommended. If you don't have one, then one will be provided.
Your PC with its HDMI output may also be used to generate video. The same antenna used for receiving the repeater may be used for the transmitter. The DVB-T Interface box provides the antenna switching and DC power control for the TX & RX. A 15amp or better DC power supply for powering the the station. If your shack PS is not capable then one may be borrowed. An ATV station takes up a small foot print in your operating position but it should be located so the front panel displays can be seen easily.
3. KOPFX has the gear to be borrowed at his QTH (Bridgeton). He will demonstrate how to connect it all and work the repeater.

4. A typical station is pictured herein showing the Interface/Amp box, transmitter, receiver and power supply.



Typical Digital ATV Station. Just add a TV, camera and antenna.

Receiver (HV-110 or -120) and Transmitter (HV-320E) cost and description may be seen on eBay:

<https://www.ebay.com/sch/i.html? ssn=hides168&store name=hides168& oac=1& trksid=p4429486.m3561.l170197>