

DX-TV Receiver block diagram

Provision has been made to allow IF signals to be taken off to external devices such as a DSP unit. In addition, inputs are provided to allow external circuits to input signals to the unit. All inputs and outputs are buffered. Signal switching and buffering is not shown in the block layout.

An external TV tuner may be selected. The internal tuner includes an RF gain control. The RF gain voltage is available to the external tuner. The internal tuner is currently digitally controlled, the micro-controller can provide a 0-30 volt tuning voltage for the external tuner. In this mode, the micro-controller would not be able to display absolute frequency but would display a logging scale ie: 0-1000.

The sound system is tunable across the tuner IF output.

An AM-FM detector is included to allow weak signal detection in conjunction with the BFO. This is only an idea and may not be included



