

SITUATION

You need DIRECTV® 101° signals from the antenna or multi-switch to multiple locations using a single coax.

SOLUTION

Model uS575-T generates the 13 V and 20 V signals to select the 101° even and odd polarities and stacks the even polarity above the odd polarity on a single coax.

RELATED CONSIDERATIONS

Not all DIRECTV® receivers can operate in the "Stacked" mode. Check the installation menu of the receiver for a "stacked" mode of operation. Receivers not having the stacked feature require model D575 destackers for single tuners and D575D destackers for dual tuners.

FEATURES

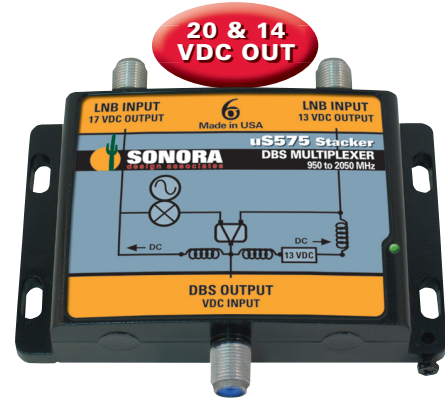
- MADE IN USA.....3 YEAR WARRANTY
- Wide Input Window -30 dBm to -40 dBm
- Short circuit protected Power 20V, 1.2 Amp
- Powers switch or dish 14v & 20v Out
- Ka band filtering for AU9S dishes

APPLICATION NOTES

Model uS575 selects (2) outputs of the DIRECTV® dish using the 14 V and 20 V generated by the stacker.

Model PAL1-T is set to provide 20 volts to power the uS575 and dish. Placing a terminator on the PAL1 "DC" port swithes DC to the input.

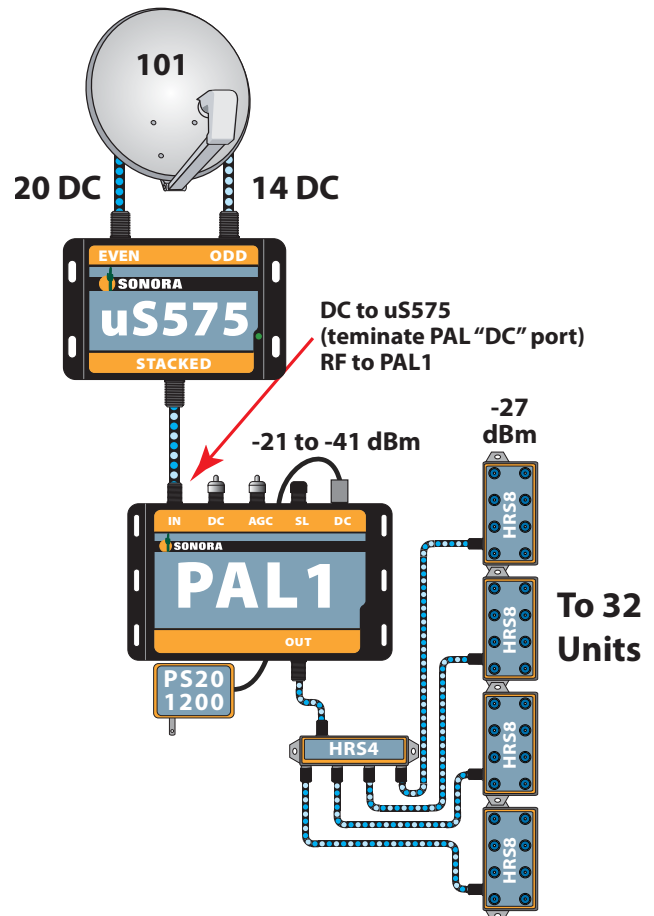
Model PAL1-T amplifies the signal using automatic gain to feed DBS splitters. The resulting -27 dBm level provide signal to feed 32 apartments up to 250 feet of RG-6.



uS575-T

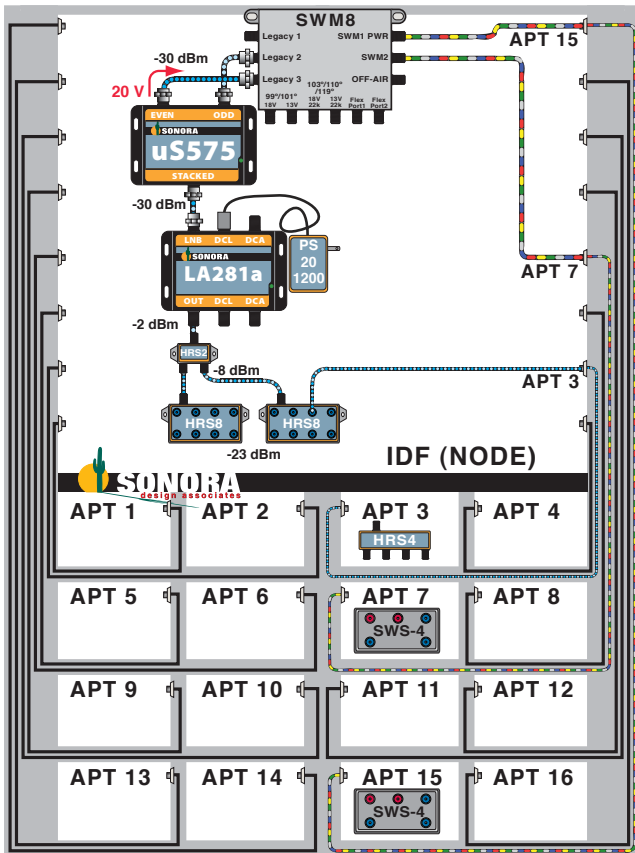
DESCRIPTION

Indoor / Outdoor dual polarity 950 to 1450 MHz input stacker produces a single 950 to 2150 MHz output.



DBS STACKING

uS575-T DBS STACKER



Model uS575 is used with a model SWM8 switch to provide a stacked 101° tier of service to basic customers in a multiple dwelling property.

Legacy ports 2 & 3 provide the switched 101° signal. Power for the SWM8 is provided by 20 V to port 3 generated by the “even” port of the uS575-T.

The SWM8 provides an automatic gain controlled output of -30 dBm to the stacker. Model LA281a boosts the stacked output to model HRS8 splitter.

The -23 dBm signal from the splitter output is sufficient in level to serve up to (4) receivers in apartments 200 feet of RG-6 from the splitter.

Within the apartment a model HRS4 splitter is used to split the stacked 101° signal to the four receivers.

SPECIFICATIONS

Specifications Typical QC Limit

DBS INPUTS	(2)	950 to 1450 MHz
Input Window		-30 to -40 dBm
Loss (odd transponders 950-1450 MHz		2 dB
Loss (even transponders 1550 to 2050 MHz)		0 dB
Noise Figure6 dB	7 dB

Passband Flatness

Any 20 MHz	± 0.5 dB
950 to 2150 MHz	± 1 dB

Return Loss

Input	12 dB	10 dB
Output	12 dB	10 dB

Local Oscillator

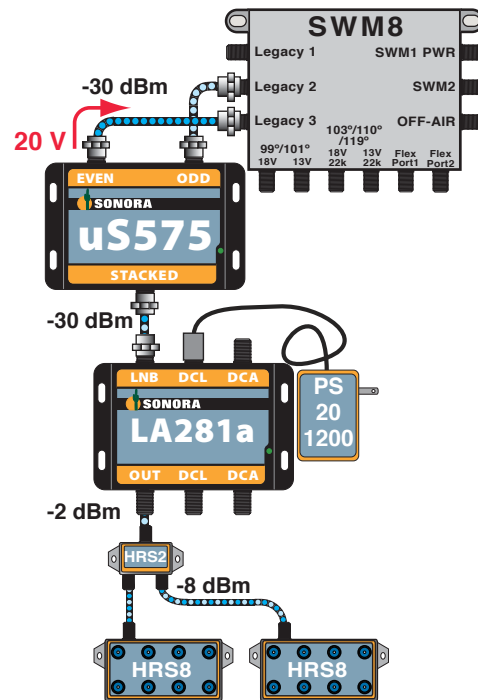
LO Frequency	575 MHz	± 50 kHz
2nd Harmonic rejection ..	1150 MHz	>40 dBc
3rd Harmonic rejection ...	1725 MHz	>6 dBc

Power Specifications

Voltage	16 to 20 Vdc	90 mA
Wall Transformer	20 Vdc	1200 mA
LNB / SWM current	1 A	available

Mechanical Specifications

Dimensions	4" x 3.5" x 7/8"
Weight	0.5 lb (0.2 kg)



Master Carton (15 units)	18" x 12" x 6"
Master Carton Weight	15.5 lb. (7 kg)

Environmental Specifications

Operating Environment:	Indoor/Outdoor
Ambient Temperature	-30° C to +70° C