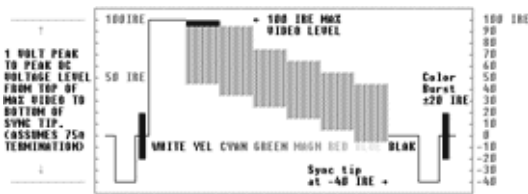
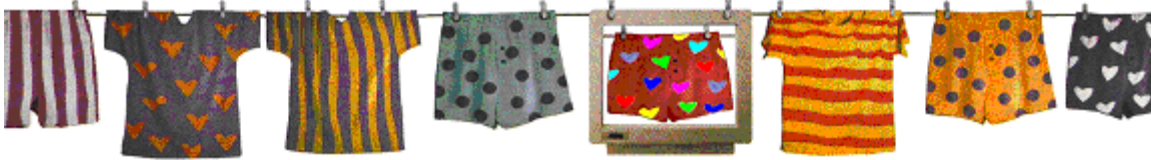


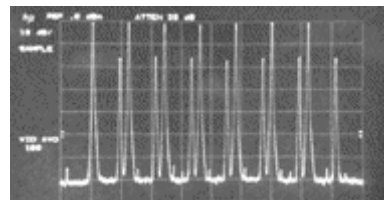
# AGILE DEMODULATOR

# MD800

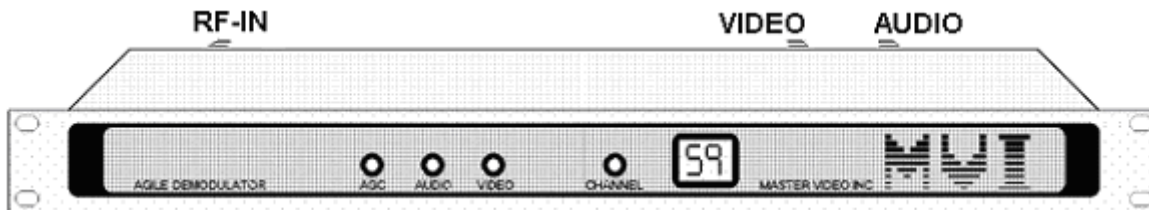
FOR A CLEANER PICTURE.....  
IT MUST BE SAW-FILTERED!!!!



Demodulated Video Output Signal 1 Vpp



Adjacent channel RF-spectrum input



## Technology at your fingertips

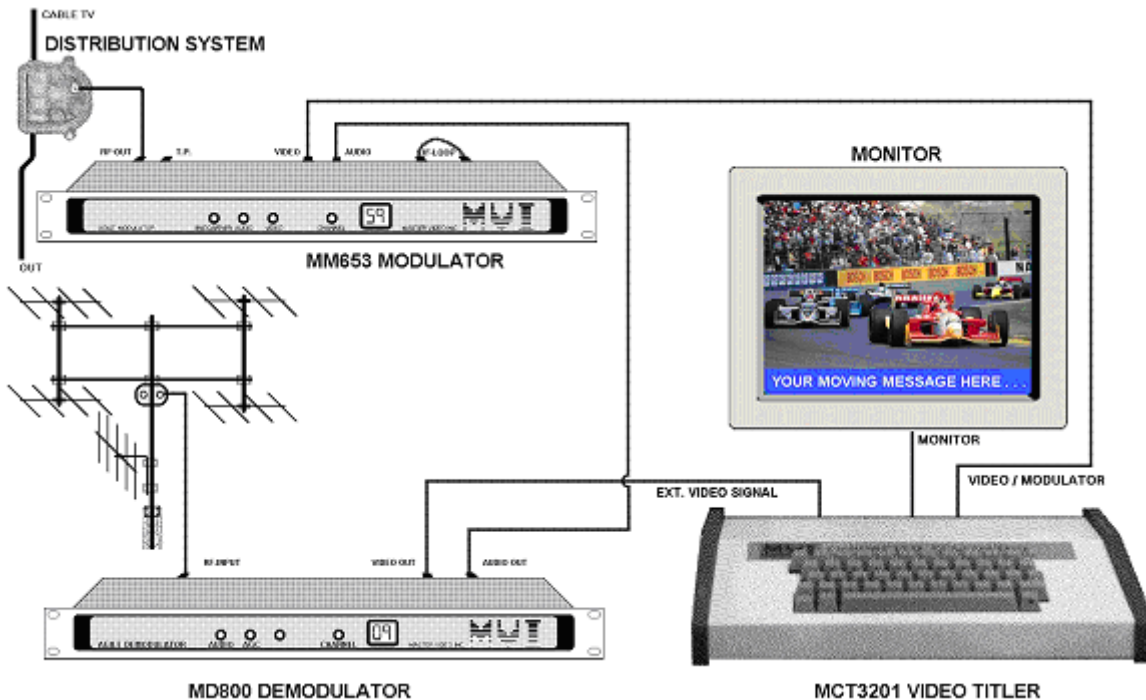
The MD800 is an adjacent channel demodulator designed for Television, CATV, Video, Closed Circuit and Security applications. A selected TV-channel is demodulated in to its original spectral content video and audio. Channel selection is by convenient front panel button and last channel entry is stored in nonvolatile memory.

An RS-232 optional interface connection makes it possible to remotely change channels and read the status via computer. Baud rates are auto detected.

A micro-computer and frequency agile synthesizer sets the TV rf-channel, which is then down converted, amplified, AGC controlled, SAW filtered and demodulated. Latest technology is employed to optimize performance for differential phase, noise figure and cross modulation for a cleaner video and audio signal.

The synthesizer is crystal referenced for carrier accuracy and performance. This model is available in all NTSC and PAL television standards.

This is "Technology at your Fingertips".



Application titling off-air demodulated television signal

## SPECIFICATIONS:

RF-INPUT	: -10 to +30 dB/mV (50 to 90 dB/uV)
INPUT IMPEDANCE	: 75 ohms, unbalanced
FREQUENCY RANGE	: 50-800 MHz, all broadcast and CATV channels
TELEVISION STANDARD	: NTSC, available in PAL 'B/G', 'D/K', 'I', 'B/H', 'N'
RF-BANDWIDTH	: NTSC 6 MHz, PAL 7/8 MHz
AGC RANGE	: >40dB
NOISE	: >10dB
ADJACENT REJECTION	: 60dB
DIFFERENTIAL GAIN	: >5%
DIFFERENTIAL PHASE	: 5deg.
S/N RATIO	: >50dB weighted CCIR
AUDIO DISTORTION	: 1%
OPTION RS-232 INTERFACE	: DB-9 connector
BAUD RATE	: 300 to 9600 auto detect 7 + 8 bits, 1 or 2 stop bits
CABINET	: 19" x 1.75" x 5"
POWER	: 117 VAC, (220-240 VAC), 50-60 Hz, 13 Watts



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