

## TV Generator



- ▶ 4:3 and 16:9 format patterns
- ▶ Compatible with PAL, SECAM and NTSC systems
- ▶ NICAM and Zweiton Sound
- ▶ Addition of an electronic circle on all patterns (except colour bars)
- ▶ Two logotypes
- ▶ VPS / PDC control signals
- ▶ Multi-standard and multi-system analogue TV signals
- ▶ RS-232 remote control

The **GV-698+** is a TV pattern generator with excellent price / performance ratio which is specially suitable for service of all kinds of TV receivers.

This pattern generator has the features usually found only in professional units, such the **NICAM** sound or **teletext**, while keeping a very attractive price tag.

There are **32 memories** available to store your most common test configurations. It is also possible to turn ON or OFF the colour burst, the sound subcarrier, the colour subcarrier, etc...

The **GV-698+** also has a DSB modulated RF output, with level adjustable in 10 dB steps.

### ▼ 23 Patterns ▼

4:3 & 16:9 formats

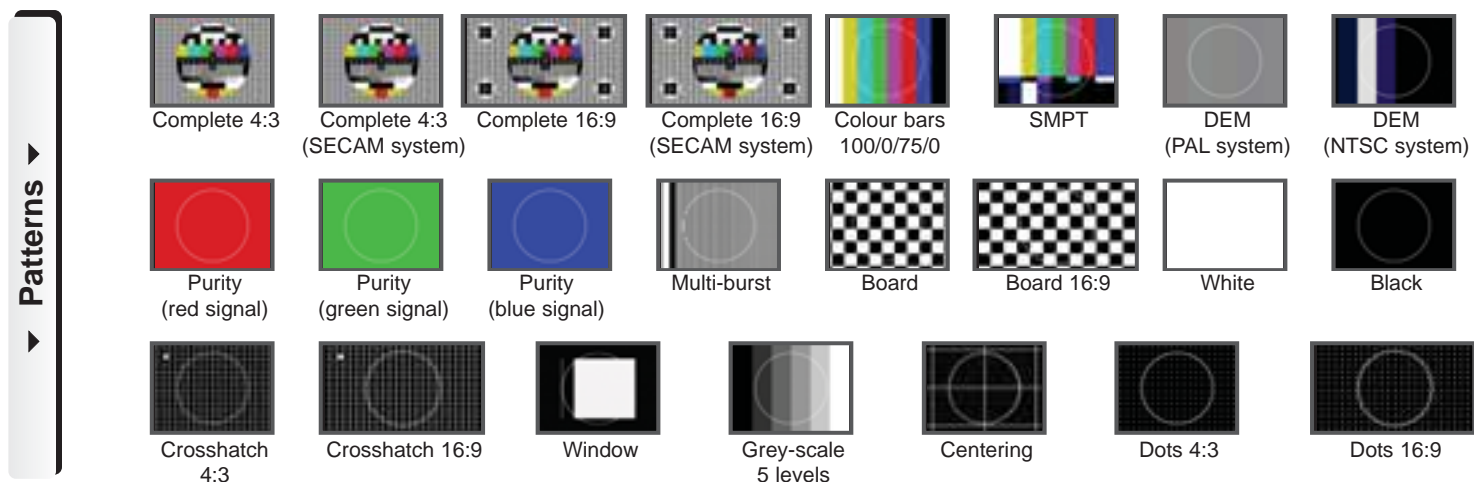
Electronic circle

Pattern icons  
on the front panel

### ▼ Outputs ▼

RF  
YPbPr  
RGB  
S-VHS  
SCART  
Synchronisms  
Blackburst  
Composite video

## Medium range



SPECIFICATIONS	GV - 698+	RF output	
<b>System &amp; Standard</b>	PAL B/G/D/K/I/M/N, SECAM B/G/D/K/L, NTSC M	Output amplitude	90 dB $\mu$ V $\pm$ 3 dB, attenuation up to 50 dB in steps of 10 dB
<b>Video Carrier</b>		Frequency range	37 to 865 MHz
Resolution	Synthesized, 34 - 865 MHz	Impedance	75 $\Omega$
Tuning	By channels or by frequency (CCIR, STDL, OIRT, FCC)	<b>Modulation</b>	Double side band
<b>Patterns</b>	23	<b>Logotypes</b>	One or two position-independent logotypes
<b>PAL(B,G,H,D,I) colour subcarrier</b>		<b>Audio</b>	
Frequency	4.43361875 MHz $\leq$ $\pm$ 30 ppm (10°C - 40°C)	Mono	AM-FM-NICAM modulation
Burst duration	2.4 $\mu$ s (10 $\pm$ 1 period of Fsc)	Dual-Stereo Zweiton	B, G, D, K, M systems
Amplitude / phase error	$\pm$ 5 % / $\pm$ 3 %	Dual-Stereo NICAM	B, G, L, I, D, K systems
<b>NTSC (M) colour subcarrier</b>		<b>Rear panel outputs</b>	
Frequency	3.579545 MHz $\leq$ $\pm$ 30 ppm (10°C - 40°C)	Video	75 $\Omega$ , positive polarity, BNC connector and SCART
Burst duration	2.38 $\mu$ s (10 $\pm$ 1 period of Fsc)	RGB - YPbPr	75 $\Omega$ , 0.7 Vpp amplitude, BNC connector and SCART
Amplitude error	$\pm$ 5 %	S-VHS	75 $\Omega$ , 0.7 amplitude Vpp (lum.) - 0.3 Vpp (crom.)
Phase error	$\pm$ 3 %	Synchronisms	Negative polarity, BNC connector
<b>SECAM (B, G, H, D, K, K1, L) colour subcarrier</b>		SCART	-
Subcarrier frequency	For = 4.406250 MHz $\pm$ 2 kHz	<b>Teletext</b>	
(sync f <sub>sc</sub> )	Fob = 4.25000 MHz $\pm$ 2 kHz	Transmission mode	NRZ (not return to zero)
Dual-Stereo NICAM	5.850 - 6.552 MHz, 4QPSK modulation	Content	8 different pages (two languages sent consecutively)
<b>Inputs</b>		<b>Power supply</b>	
Video/Audio	75 $\Omega$ (V), 10 k $\Omega$ (A) direct coupling, SCART	Mains voltage / consumption	110-125-220-230/240 V AC $\pm$ 10%, 50-60 Hz / 20 W
		<b>Mechanical features</b>	
		Dimensions and weight	W. 288 x H. 102 x D. 247 mm / 3 kg.