

PAL-PN Pattern Generator ID# 631



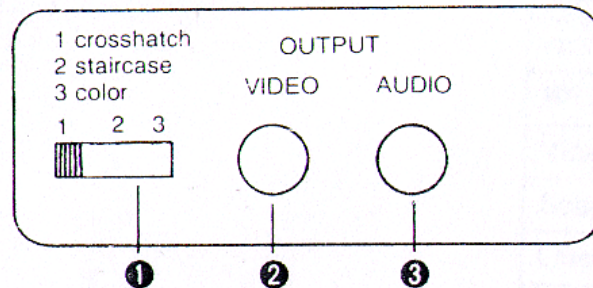
Operation Manual

Introduction

PAL-PN Pattern Generator is used for generating a test pattern for adjusting and servicing TV and VCR players. The test patterns generated are selectable between Full Field Colour Bar, Staircase and Crosshatch display. It outputs test signals as RF, Video and Audio formats. Simple and compact for ease of use.

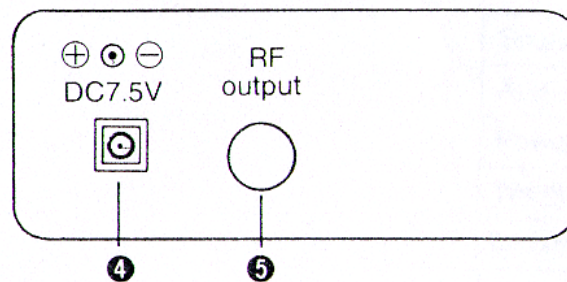
Operation Controls and Functions

Front Panel



1. Pattern select
2. Video Output
3. Audio Output

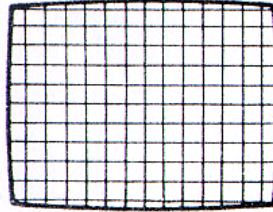
Rear Panel



4. DC Power Supply 7.5V input
5. RF Output

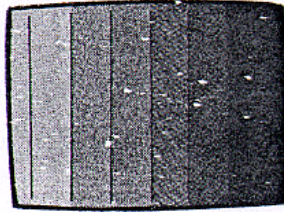
Test Pattern

Crosshatch



15 vertical and 11 horizontal lines are used to check and re-aligning, focus, linearity, pincushion, and static dynamic convergence.

StairCase



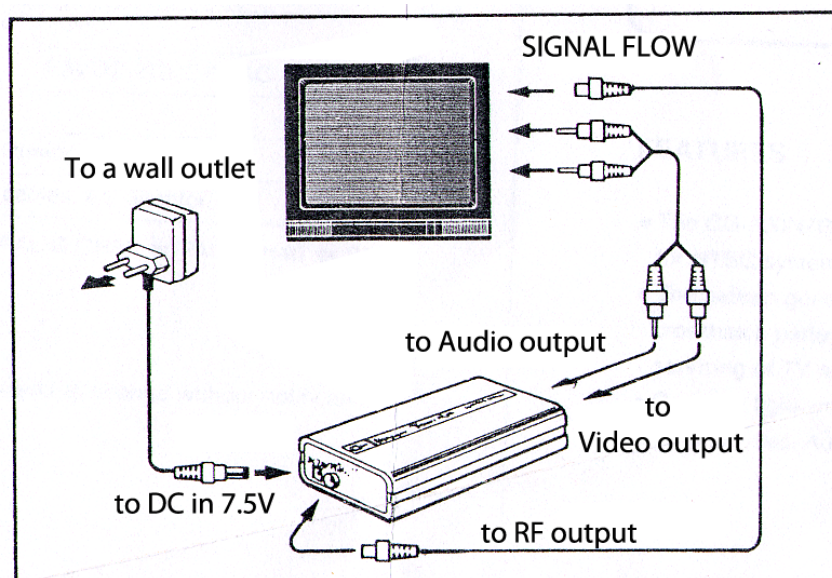
A full screen linear staircase signal with 8 equal steps from black to white is used to check linearity of the video amplifier or grey-scale setting and adjust white balance

Standard Colour Bar



THE vertical BARS are white. yellow cyan. green, magenta. red. blue and black. THE color bar pattern provides sufficient information for a good overall check on color performance. including checks on burst keying, sub-carrier, regeneration RGB amplifiers, delay color versus B/W signal and saturation.

Connections



Specifications

	200N	200P	200PM	200PN	200PD
Color BAR	75%White.Yellow.Cyan.Green.Magenta. Red.Blue,and Black				
Staircase	8 equal Steps from white to black level				
crosshatch	15(V) - 11(H) White-lines				
RF output	CH3 or CH13	CH11 or 36.40	CH3		CH4
Video output	1 Vpp 75 ohm				
Scanning	Interlace				
Line frequency	15734HZ	15625HZ	15734HZ	15625HZ	
Number of lines	525	625	525	625	
Field frequency	60HZ	50HZ	60HZ	50HZ	
Sync. polarity	Negative				
Sub-carrier frequency	3.579545MHZ	4 433619MHZ	3 575611MHZ	3 582056MHZ	4.433619MHZ
Sound carrier frequency	4.5MHZ	BG(5.5MHZ) I (6MHZ)	4.5MHZ		6 5MHZ
Sound Modulation	FM. Internal 1KHZ				
Audio output	1 Vpp Sine Wave				
Power Supply	7.5VDC 110VAC	7.5VDC 220/240VAC			
Weight	300 grams				
Dimensions	90W , 40H , 155D(mm1				
Accessory	one video/audio cables. AC adaptor.				