

SMPTE/EBU TIME CODE GENERATORS

The **ES-461U** and **ES-263** are SMPTE/EBU Time Code Generators. Front panel thumbwheel switches allow the user to preset the unit's Hours, Minutes and Seconds (Hours & Minutes only on the ES-263) or User Bits. Each unit accepts composite video or composite sync and operates in drop frame or non-drop frame mode. Features include a video sync input, a color frame pulse input and a clock "Hold" function.

Features:

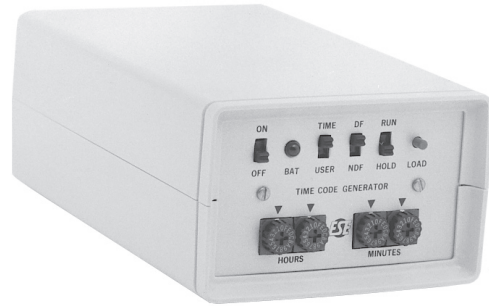
- "Hold" Control
- Drop Frame & Non-Drop Frame Mode
- Custom Modifications Available
- Video Sync Input Accepts Either Composite Video Or Sync
- Time & User Bits Are Presetable



RACK MOUNT GENERATOR

The **ES-461U** is a microprocessor-based, presetable SMPTE Time Code Generator. SMPTE Time or User Bits can be preset via the unit's front panel thumbwheel switches. Or, the unit can be Jam-Synced to an external source of SMPTE via the rear mounted female XLR connector. The SMPTE output is accessible via the rear mounted male XLR connector. Two BNC connectors provide a loop-thru Video Sync Input that accepts either composite video or sync. A Color Frame Input is also provided via a BNC connector.

The **ES-461U** is housed in a rack mount enclosure that measures 1.75" x 19" x 10" deep, with a black anodized front panel. Power required is 117 VAC 50/60 Hz and 220 VAC 50/60 Hz is optionally available. EBU operation can be optionally specified. Option "UL" provides a UL Approved wall mount power supply.



PORTABLE GENERATOR

The **ES-263** is a portable, presetable SMPTE Time Code Generator. The microprocessor-based unit can be preset using the front panel mounted controls (only hours and minutes are presetable as seconds and frames are automatically set to 00:00). The **ES-263** can generate Time Data or User Bits (User Bits are presetable with hexadecimal values "0 - F"). SMPTE Time Code (unbalanced) is output via a rear mounted RCA and the Video Sync Input (composite video or sync) is via a rear mounted BNC connector.

The unit is housed in a small portable enclosure that includes a convenient belt clip. The internal battery provides up to ten hours of operation per charge. An AC/wall adapter/charger is also included. PAL and/or EBU operation can be optionally specified.

SPECIFICATIONS

	ES-461U	ES-263
Time Code Output:	0 dB into 600Ω, balanced	2 Vpp, unbalanced
Time Code Input:	100 mVpp - 10 Vpp, unbalanced	N/A
Video In/Out:	1 - 2 Vpp, unterminated	1 - 2 Vpp, unterminated
Color Frame Input:	TTL or CMOS Field #1 negative pulse	N/A
Drift:	2 Seconds/Day	2 Seconds/Day
Mechanical:	1.75" x 19" x 10" Deep, rack mount	3.6" W x 2.3" H x 6" D, 1 lb.
Electrical:	117 VAC, 50/60 Hz, 5 W	Internal Battery; 117 VAC Adapter/Charger
Battery:	N/A	1.2 A Gel Cell @ 12 VDC, 120 mA
Options:	EBU, J, UL	EBU, PAL

