

TIME CODE CONVERTERS

All too often communication between various equipment is impossible due to a "language barrier". When time information must be shared, a Time Code Converter (Translator) may be a very simple solution. With more than a dozen "standard" Time Code Converters (and at least that many "Custom" Time Code Converter products), **ESE** is certain to offer a solution to any language barrier.

Described below are several Time Code Converters that have solved many Time Code "communication" problems. If a problem exists that is not addressed in this brochure, please contact the **ESE** factory for a simple solution to your "communication" needs.

Features:

- Translate SMPTE/EBU, NPR, NTP, **ESE**, ASCII & IRIG
- Simple Installation & "Hands-Off" Operation
- Optional 220 VAC and/or "UL" Operation
- Synchronization Of Automation Equipment

Model Number	Translates Time Code		Digital Display
	From	Into	
LX/ES-161U/NPR	NPR (SOSS)	ESE (TC90)	Yes (.56" Yellow LED)
LX/ES-161U/RS	ESE (TC76, TC89 or TC90)	ASCII (formats '0', '1' or 'A')	Yes (.56" Yellow LED)
ES-195	ESE (TC76-24Hr, TC89 or TC90)	ASCII (<i>Grass Valley Group Master-21</i>) & TC90	Yes (.56" Yellow LED)
ES-198	NTP	ESE (TC90)	Yes (.56" Yellow LED)
ES-223	ESE (TC90)	IRIG (B & E) & ASCII (RS-232C & RS-485)	No
ES-225A	ESE (TC76, TC89 or TC90)	ASCII (RS-232C & RS-485)	No
ES-226	ASCII (formats '0' or '1')	ESE (TC90) & (IRIG-B or IRIG-E)	No
ES-267	LTC	VITC	No
ES-269	VITC	LTC	No
ES-274U	IRIG-B	SMPTE/EBU	No
LX/ES-453U/ESE	SMPTE/EBU	ESE (TC89)	Yes (.56" Yellow LED)
LX/ES-453U/RS	SMPTE/EBU	ASCII (formats '0', '1' or 'A')	Yes (.56" Yellow LED)
ES-462U	ESE (TC76, TC89 or TC90)	SMPTE/EBU	No

Model Number	Enclosure	Applications
LX/ES-161U/NPR	LX or ES (desk top)	NPR Radio Code (SOSS) can drive ESE Clock System
LX/ES-161U/RS	LX or ES (desk top)	Interface ESE Clock System with Computer
ES-195	Clear Anodized Rack Mount	Synchronize GVG Master 21 with ESE Master or convert TC89 into TC90
ES-198	Black Anodized Rack Mount	NTP referenced Time Code Generator can drive ESE Clock System
ES-223	Clear Anodized Rack Mount	Synchronize Voice & Data Loggers with ESE Master, TZ Option
ES-225A	Black Anodized Desk Top	Interface ESE Clock System with Computer
ES-226	Black Anodized Desk Top	Synchronize ESE Slaves, Voice & Data Loggers from "ASCII" Master Clock
ES-267	Black Anodized Desk Top	Convert Longitudinal Time Code (LTC) to Vertical Interval Time Code (VITC)
ES-269	Black Anodized Desk Top	Convert Vertical Interval Time Code (VITC) to Longitudinal Time Code (LTC)
ES-274U	Clear Anodized Rack Mount	Stripe (for editing) Video Tape previously encoded with IRIG-B
LX/ES-453U/ESE	LX or ES (desk top)	Interface non- ESE Master System (outputting SMPTE) with ESE Equipment
LX/ES-453U/RS	LX or ES (desk top)	Interface existing SMPTE/EBU with Computer System
ES-462U	Clear Anodized Rack Mount	Interface older ESE Master Clocks with SMPTE/EBU equipment

NOTE: Due to space limitations, not all features, options and specifications are described above. Contact the **ESE** Factory for more detailed information.

