

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 | Black 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 | Black 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.

