

LinTronic

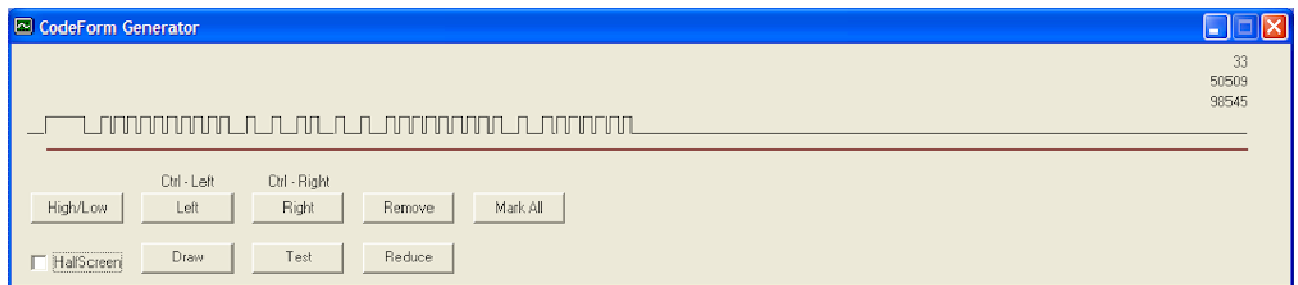
<http://www.lintronic.dk>

Foreword

Based on 10+ years of experience specializing in InfraRed and RadioWave communication, LinTronic have invented a dynamic and flexible infrared code set suitable for control of all audio/video related products and Home-Automation systems.

The code set allows operators such as manufacturers, installers and programmers of audio/video products, light, curtains, aircon, pc, controllers, home-automation programs, etc. etc. to effectively remote control their device(s), based on a operator-unique dynamically programmable code.

Any one of the 65.535 available licenses allows the individual operator to remote control from 1 to 65.535 different devices each holding from 1 to 65.535 commands – giving the individual license owner a total of up to 4.294.836.225 codes.



The code length is dynamically adjusted to send as little information as possible, in order to reduce the time required to send the code which extend the life time of the batteries in a remote control and speeds up the decoding process.

Furthermore, the code is optionally capable of adding a running number telling the decoder for how long time the user hold the remote control activated without the need for continuous reception and counting, which is great for progressive control of for example volume, curtains speed, light level control, etc.

If a high level of security is required, the code is optionally capable of adding a checksum at the end of the code instructing the decoder whether the code is correctly received.

Cooperates with learnable remote controls ... even in the field

For Home-Automation installers/programmers, a PC based configuration tool allows the individual license owner to manage and generate to codes required for his system. One license owner cannot generate codes holding another license owners ID, which ensures safety against unauthorized or unwanted interference.

The configuration tool allows the license owner to office-generate a configuration file for a learnable remote control and email the configuration file to his customer, which not only ensures that the installer have 100% control of what is being transmitted by the customers learnable remote control, but which strongly reduces the confusion and time required to get a new system up and running.

Installers / Programmers / Developers

No encoding/decoding skills are required. Our TT455-RT-238 both generates the codes from a pc/controller generated RS232 command-string and also decodes the codes for optional use in your system.

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CODE GENERATION

- Connect a TT455-RT-238 to the PC.
- Install and start the LinTronic Configurator program.
- In CommandList generate "LinTronic codes for your learnable remote"

745 = LinTronic commandset
III = INFO (must be 3 digits, example: 48 = 048)
OOOOO = OWNER ID (must be 5 digits, example: 5 = 00005)
DDDDD = DEVICE ID (must be 5 digits, example: 104 = 00104)
CCCCC = COMMAND (must be 5 digits, example: 17 = 00017)
003 = Repeat number (send the code 3 times, range: 001 – 255)

Double-click the code to mark it and click Test to send the command through the TT455-RT-238. If the OWNER ID (default 00238) is recognized, the TT455-RT-238 will transmit the code.

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