

Lexicon 700t

Quick Start Guide

The **700t System Controller** is designed to provide simple, fast control of even the most sophisticated home theater and multimedia presentation systems. By providing a unique graphical interface, the 700t can replace a clutter of remote controls and sheets of instructions. An elegant blue and paper-white touchscreen housed in an ergonomic, rugged ABS enclosure, the 700t is a powerful controller that is incredibly simple to use. Even the most complicated systems can be operated without peering into manuals and grasping for tiny buttons on little black plastic remotes.

Software and Files

- All software and files necessary for programming the 700t are available from the Lexicon web site:
 - http://www.lexicon.com/downloads/700t_files_downloads.htm
- Download LexiDraw 3.51--ld35inst(1).exe
- Double click on the file and follow the prompts to install LexiDraw
- Download sample_system.all and place it in the “All” subfolder in the LexiDraw folder (using default installation the location would be Program Files/LexiDraw/All)
 - This .all file can be adapted for your own use, rather than having to make a program from scratch
- Download Lexicon’s.bml and place it in the “Bitmaps” subfolder
- Download Lexicon’s.cbl and place it in the “Custom” subfolder
- Download master.cml and place it in the “Commands” subfolder

LexiDraw Cable and Communications

- A LexiDraw cable is included with every 700t
- Connect the LexiDraw cable to a serial port on your PC and the RJ-11 port on the 700t

700t Special Functions Page

- The Special Functions page can be accessed two ways
 - Ensure 700t back panel switch is off, press and hold your finger on the screen, and switch unit back on
 - Assign a button to this page, allowing it to be accessed just like any other page
- Includes backlight, beeper, contrast and program controls
 - Program menu includes IR capture, clear all, computer link, access options, timer settings

LexiDraw Software

- The Tools palette is open whenever a .all file is open
 - Select a tool by clicking on it
 - When you move your pointer over the grid, it shows which tool is selected
- Standard Windows pulldown menus are available at the top of the screen
- A toolbar with commonly used commands is located just under the pulldown menus

Programming the 700t

- Programming the 700t can be broken down into 6 steps
 - Creating pages
 - Placing buttons
 - Assigning pages
 - Commands
 - Creating macros
 - Sending your program to the 700t/TCM-3

Creating Pages

- When starting a new program (.all file), the Main Menu page is created automatically
- Additional pages may be added at any time using the New Page command (Page/New Page)
- Navigate from page to page using the menu on the left (the tack icon keeps the menu pulled down at all times)
- Page Wizard (Page/Page Wizard) creates a new page of a standard type complete with buttons

Placing Buttons

- Draw buttons by selecting a button shape from the left side of the Tools palette
 - After selecting, click once to make a small button of selected type
 - Click and drag to make a larger button
- Place custom buttons and bitmaps using the “Place Custom Button” and “Place Bitmap” tools on the Tools palette
- Right clicking a button allows for several options
 - Edit properties
 - Create macro
 - Delete command
 - Copy, cut, or delete button
 - Assign page to button

Assigning Pages

- Assigning a page to a button causes the 700t to go to that page when the button is pressed.
- 3 Methods to assign a page to a button
 - Right click on button, select “assign page to button” and click on page to assign
 - On the Tools pulldown menu, select “assign page” and drag page from right side to the button to be assigned to
 - Click “assign pages” tool on the Tools palette, click on button to be assigned, then click the page to be assigned to that button
- In addition to regular pages, there are selections for “none,” “previous,” and “special functions”

Commands

- Open the command library by selecting “Command Library” using either the Tools palette or the Tools pulldown menu
- If no commands are visible, click “Open Library” at the bottom of the Command Library box and open master.cml
- Select the manufacturer, type, and model of a component
- Click and drag a command from the list to the button you want to have that command
- Repeat for each button
- If the commands for the component are not in the library, you will need to capture the codes

IR Capture

- To capture codes, you will need a 700t, a PC, a LexiDraw cable, the “donor” remote, and fresh batteries
- On the 700t, enter the Special Functions menu, select “Program,” and then “IR Capture”
- Ensure that the remotes are aligned properly and that the 700t is receiving a signal when buttons are pressed on the donor remote
- Switch the 700t to “Capture”
- In LexiDraw, open the IR Library Manager (available under Library)
- In IR Library Manager, open master.cml
- In the Edit View window select “New” (NOT under File--that would create a new .cml file)
- Select the manufacturer, type, and enter the model of component for the remote to be learned
- Click “Wizard” and check buttons to keep, uncheck buttons not needed
- Click “OK” and manually add any buttons that were not in the wizard
- Click “OK” and then “Learn IR”
- Follow the prompts on the screen (Press and hold the “XXXX” key)
- A progress indicator will appear momentarily, then the IR Library software will go to the next command to be learned

- Repeat the process until all codes for the donor remote are learned and repeat for other remotes not in library
- Close IR library manager--library is saved automatically
- Codes from the donor remote are now available in master.cml

Creating Macros

- Click “Edit Macro” on the Tools palette and then click the button you want to create a macro for
- There are 7 basic command types--infrared from library, infrared from page, time delay, TCM-3 relay control, TCM-3 power sync input, button hold test, and button pause
- To add a command, click and drag the command (or icon at the bottom) to the left side and drop it in the sequence where you want it
- To get rid of a command already placed in the macro sequence, click and drag the command to the trash can
- To change the sequence of commands, click and drag a command to a different place

Creating Macros

IR Commands and Time Delay

- The “Infrared from library” command type allows you to select any IR command that is in the currently selected library for inclusion in the macro
- The “Infrared from page” command type allows you to select any IR command on any page in the current .all file
- The “Time delay” command type allows you to insert a pause in the macro sequence to allow a component time to process a command
 - Set the length of delay
 - Click and drag the clock icon over to the macro sequence

Creating Macros

TCM-3 Commands

- When using a TCM-3 in conjunction with a 700t, relay control and power sync command types can be used
- The “Relay Control” command type allows you to turn off or turn on any of the three relays on the TCM-3.
 - These relays can be used to drop screens, close blinds, etc.
- The “Power Sync” command type allows an if-then statement based on the power status of either of the power sync inputs on the TCM-3 to be included in the sequence
 - Useful to avoid turning off components that are already on if the component does not have separate on and off commands

Creating Macros

Button Hold and Button Pause

- The “Button Hold” command type allows an if-then statement based on the status of whether the button is held down or not
 - Example--if button is held then complete the following sequence of commands
- The “Button Pause” command type tells the macro to pause at that point until the button is released
- When finished adding steps to the macro, click “OK”

Sending Your Program to the 700t

- Always save your program before sending it to the 700t or TCM-3
- Under Edit/Edit Remote Properties, ensure that the program is set up for your configuration
 - Set default output to “IR” and Output Format to “Stand Alone” if using a 700t without a TCM-3 (set to “RF” if using a TCM-3)
- Connect the LexiDraw cable and put the 700t in Computer Link mode (Special Functions/Program)
- In LexiDraw, select “Send All Pages” under Communication
 - Click on the 700t icon to send
 - Try lowering Max Com Speed (under Options/Set Com Port) if error occurs

Sending Your Program to the TCM-3

- If using a TCM-3, the same program must be sent to both the 700t and the TCM-3
- In LexiDraw, under Edit/Edit Remote Properties, ensure that the program is set up for your configuration
 - Set default output to RF if using a 700t RF with a TCM-3
- Connect the LexiDraw cable to the TCM-3 and plug in the TCM-3
- In LexiDraw, select “Send All Pages” under Communication
 - Click on the TCM-3 icon to send
 - Try lowering “Max Com Speed” if error occurs

This is not meant to be the definitive guide to programming the 700t. There are several features that were not covered or were not fully explained. However, this guide covers the basic features of LexiDraw and should enable you to make good, functional programs. Experimenting with making your own programs is the best way to learn. If you have questions, please call Lexicon for customer service.