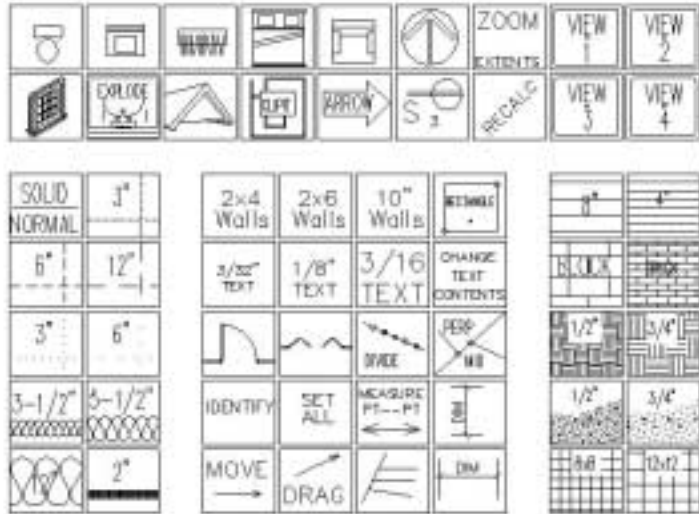


X-keys Programming Codes for DataCAD

The table below contains the code sequences we used in programming the X-keys 58 key Programmable keyboard for use with DataCAD. In the table, we have designated the keys 1 to 58 from left to right and from top to bottom, and divided them into seven rows.

The picture on the right illustrates the XkeyLegend.dc5 file which will give the DataCAD user a printable legend to accompany this table.

This is presented only as an example of what may be done. Individual DataCAD users will want to program their own favorite macros and template files into keys grouped in the way which makes the most sense to them.



Programming Conventions

The codes in the table below follow these commonly accepted conventions:

- Names of keys appear in bold smallcaps: **ENTER**, **SHIFT**, **CTRL**, **BACKSPACE**, **ALT**.
- Alphabetic keys appear in bold lowercase and numbers always refer to the numbers on the alphanumeric section of the keyboard (not the number pad): **qwerty 1 3 7**
- A plus sign between key names indicates a combination of keys: **ESC+5** indicates holding the **ESC** key down while tapping the **5** key. **CTRL+ALT+DELETE** indicates holding down the **CTRL** and **ALT** keys while tapping the **DELETE** key.
- A plus sign followed by parenthesis indicates a series of keys to be tapped while the first key is held down: **SHIFT+(F1, F7, F5)** indicates holding the **SHIFT** key down while tapping the **F1** key, then tapping the **F7** key, then tapping the **F5** key before releasing the **SHIFT** key.

Enabling “Caps Lock Memory” (**ESC+8**) for the X-keys will allow the key programmed as the DataCAD “move” function to remain a lower case “**m**” regardless of the Caps Lock status on your keyboard.

ROW	KEY #	NAME	CODE
1	1	Template: PLUMBING	t ESC+5 F4 ESC+5 tpl\plumb\bp2r ↓ ENTER
	2	Template: LAUNDRY	t ESC+5 F4 ESC+5 tpl\kitchen\kt2l ↓ ENTER
	3	Template: CLOSET	t ESC+5 F4 ESC+5 tpl\bedroom\br2clos1 ENTER
	4	Template: BEDROOM	t ESC+5 F4 ESC+5 tpl\bedroom\br2furn1 ENTER
	5	Template: LIVING ROOM	t ESC+5 F4 ESC+5 tpl\living\lr2furn1 ENTER
	6	Template: DRAWING	t ESC+5 F4 ESC+5 tpl\dwg\dr ↓ ENTER
	7	Zoom Extents	CTRL+~
	8	3D go to view 1	j v F1
	9	3D go to view 2	j v F2

2	10	Macro: AEC Modeler	SHIFT+M ESC+5 aec ↓ ENTER
	11	Macro: Symbol Explode	SHIFT+M ESC+5 sy ↓ ENTER
	12	Macro: ROOFIT	SHIFT+M ESC+5 ro ↓ ENTER
	13	Macro: CLIPIT	SHIFT+M ESC+5 cl ↓ ENTER
	14	Macro: ARROW	SHIFT+M ESC+5 ar ↓ ENTER
	15	Template: ELECTRIC	t ESC+5 F4 ESC+5 tpl\elec ENTER
	16	Window In Recalc	/ F2
	17	3D go to view 3	j v F3
	18	3D go to view 4	j v F4
3	19	Linetype: solid	ALT+1 F1 SHIFT+F10
	20	Linetype: dashed, 3"spacing	ALT+1 SHIFT+F8 .3 ENTER F3 SHIFT+F10
	21	2x4 Walls	a F2 F6 .3.1/2 ENTER SHIFT+F10
	22	2x6 Walls	a F2 F6 .5.1/2 ENTER SHIFT+F10
	23	10" Walls	a F2 F6 .10 ENTER SHIFT+F10
	24	Draw Rectangle (Polygons)	ALT+r
	25	Hatch: 8" Siding	h SHIFT+(F1, F7, F5, F2) 256 ENTER
	26	Hatch: 8" Siding	h SHIFT+(F1, F7, F5, F2) 128 ENTER
4	27	Linetype: dashed, 6"spacing	ALT+1 SHIFT+F8 .6 ENTER F3 SHIFT+F10
	28	Linetype: dashed, 12"spacing	ALT+1 SHIFT+F8 1 ENTER F3 SHIFT+F10
	29	3/32" Text	ALT+T F1 .0.3/32 ENTER
	30	1/8" Text	ALT+T F1 .0.1/8 ENTER
	31	3/16" Text	ALT+T F1 .0.3/16 ENTER
	32	Change Text Contents	ALT+c SHIFT+F8 +F2
	33	Hatch: 8" CMU	h SHIFT+(F1, F7, F1, F2) 32 ENTER
	34	Hatch: Brick	h SHIFT+(F1, F2, F2) 32 ENTER
5	35	Linetype: dotted, 3"spacing	ALT+1 SHIFT+F8 .3 ENTER F2 SHIFT+F10
	36	Linetype: dotted, 6"spacing	ALT+1 SHIFT+F8 .6 ENTER F2 SHIFT+F10
	37	Swing Door 90°	a SHIFT+(F7, F3) F1 SHIFT+F4 90 ENTER
	38	Bi-fold Door 45°	a SHIFT+(F7, F3) F2 SHIFT+F4 45 ENTER
	39	Divide Entity	ALT+g F1 F3 F1
	40	Perpendicular/Midpoint toggle	SHIFT+x F3 F8 SHIFT+F10
	41	Hatch: Earth for 1/2" scale	h SHIFT+(F1, F7) F7 SHIFT+F2 128 ENTER
	42	Hatch: Earth for 3/4" scale	h SHIFT+(F1, F7) F7 SHIFT+F2 96 ENTER
6	43	Linetype: 3-1/2" insulation	ALT+1 SHIFT+F8 .1.3/4 ENTER F9 SHIFT+F10
	44	Linetype: 5-1/2" insulation	ALT+1 SHIFT+F8 .2.3/4 ENTER F9 SHIFT+F10
	45	Identify	SHIFT+i
	46	Set All	SHIFT+i ENTER SHIFT+(F8, F10)
	47	Measure Point to Point	ALT+x F4
	48	Linear Dimension: Vertical	ALT+d F2
	49	Hatch: Concrete for 1/2" scale	h SHIFT+(F1, F5, F2) 12 ENTER
	50	Hatch: Concrete for 3/4" scale	h SHIFT+(F1, F5, F2) 8 ENTER
7	51	Linetype: 12" insulation	ALT+1 SHIFT+F8 .6 ENTER F9 SHIFT+F10
	52	Linetype: 2" rigid	ALT+1 SHIFT+F8 .2 ENTER SHIFT+(F8, F8, F10)
	53	Move	M
	54	Drag	m F1
	55	Trim to Entity	ALT+j SHIFT+F10 F4 F1
	56	Linear Dimension: Vertical	ALT+d F1
	57	Hatch: 8x8 tile	h SHIFT+(F1, F7, F7, F7) F1 SHIFT+F2 1 ENTER

	58	Hatch: 12x12 tile	h SHIFT+ (F1, F7, F7, F7) F2 SHIFT+F2 1 ENTER
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P.I. Engineering, 101 Innovation Parkway, Williamston, MI 48895

(517) 655-5523 www.xkeys.com E-Mail: info@ymouse.com

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