

# ILS KRH Truth Table

Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control
Esc	Esc	\$1C	\$5C	\$9C	\$DC
1	1	\$1F	\$5F	\$9F	\$DF
2	2	\$1E	\$75	\$1E	\$75
3	3	\$1A	\$5A	\$9A	\$DA
4	4	\$18	\$58	\$98	\$D8
5	5	\$1D	\$5D	\$9D	\$DD
6	6	\$1B	\$47	\$1B	\$47
7	7	\$33	\$5B	\$33	\$5B
8	8	\$35	\$07	\$35	\$07
9	9	\$30	\$70	\$B0	\$F0
0	0	\$32	\$72	\$B2	\$F2
[	[	\$60	\$60	\$60	\$60
]	]	\$62	\$62	\$62	\$62
BK SP	BK SP	\$34	\$74	\$B4	\$f4
Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control
Z	Z	\$17	\$57	\$97	\$d7
X	X	\$16	\$56	\$96	\$d6
C	C	\$12	\$52	\$92	\$d2
V	V	\$10	\$50	\$90	\$d0
B	B	\$15	\$55	\$95	\$d5
N	N	\$23	\$63	\$a3	\$e3
M	M	\$25	\$65	\$a5	\$e5
,	,	\$20	\$36	\$20	\$36
.	.	\$22	\$37	\$22	\$37
/	/	\$26	\$66	\$a6	\$e6
^	`	\$47	\$76	\$47	\$76
Insert	Insert	\$b7	\$77	\$b7	\$77
Delete	Delete	\$b4	\$b4	\$b4	\$b4
'	'	\$73	\$5e	\$73	\$5e
Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control
Tab	Tab	\$2c	\$6c	\$ac	\$ec
Q	Q	\$2f	\$6f	\$af	\$ef
W	W	\$2e	\$6e	\$ae	\$ee
E	E	\$2a	\$6a	\$aa	\$ea
R	R	\$28	\$68	\$a8	\$e8
T	T	\$2d	\$6d	\$ad	\$ed
Y	Y	\$2b	\$6b	\$ab	\$eb
U	U	\$0b	\$4b	\$8b	\$cb
I	I	\$0d	\$4d	\$8d	\$cd
O	O	\$08	\$48	\$88	\$c8

P	P	\$0a	\$4a	\$8a	\$ca
-	-	\$0e	\$4e	\$8e	\$CE
=	=	\$0f	\$06	\$0f	\$06
Return	Enter	\$0c	\$4c	\$8c	\$cc
Space	Space	\$21	\$61	\$a1	\$e1
Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control
A	A	\$3f	\$7F	\$BF	\$FF
S	S	\$3e	\$7E	\$BE	\$FE
D	D	\$3a	\$7A	\$BA	\$FA
F	F	\$38	\$78	\$B8	\$F8
G	G	\$3d	\$7D	\$BD	\$FD
H	H	\$39	\$79	\$B9	\$F9
J	J	\$01	\$41	\$81	\$C1
K	K	\$05	\$45	\$85	\$C5
L	L	\$00	\$40	\$80	\$C0
;	;	\$02	\$02	\$82	\$C2
+	+	\$06	\$06	\$86	\$C6
*	*	\$07	\$07	\$87	\$C7
Caps	Caps	\$3c	\$7C	\$BC	\$FC
\	\	\$46	\$4F	\$46	\$4F
Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control+
^	^	\$47			
Clear	Clear	\$76			
Insert	Insert	\$b7	\$77	\$b7	\$77
Delete	Delete	\$b4	\$b4	\$b4	\$b4
Brk	Brk				
Clear Screen	~	\$76			
Atari Keyboard	IBM KeyBoard	Key Scan	Shift +	Control +	Shift+Control+
Set	Shift+Tab				
_	_	\$4E			
		\$4f			
!	!	\$5f			
"	"	\$5e			
#	#	\$5A			
\$	\$	\$58			
%	%	\$5D			
&	&	\$5B			
@	@	\$75			
(	(	\$70			
)	)	\$72			
Clr	~	\$76	or Shift+Home		
^	^	\$47			
<	<	\$36			
>	>	\$37			
?	?	\$66			
Atari Keyboard	IBM KeyBoard		Shift +	Control +	Shift+Control

***These Keys are Between the typewriter keys and Number Pad***

**These keys are between the typewriter keys and number pad**

Insert	Insert	\$b7	\$77	\$b7	\$77
Home	Home	\$43	\$76	\$43	\$76
Sends 9 \$8e	Page Up	\$8e	\$8e	\$8e	\$8e
Delete	Delete	\$b4	\$b4	\$b4	\$b4
End	End	\$44	\$44	\$44	\$44
Sends 9 \$bf	Page Down	\$bf	\$bf	\$bf	\$bf
Arrow Up	Arrow Up	\$8e	\$8e	\$0e	\$0e
Arrow Down	Arrow Down	\$8f	\$8f	\$0f	\$0f
Arrow Left	Arrow Left	\$86	\$86	\$06	\$06
Arrow Right	Arrow Right	\$87	\$87	\$07	\$07
Atari Keyboard	IBM KeyBoard		Shift +	Control +	Shift+Control

**These Keys are on the 102 Keyboard Number Pad**

	Num Lock	It Takes a 20 So 25 seconds to swap Keypad Map			
/	/	\$26	\$66	\$a6	\$e6
*	*	\$07	\$47	\$87	\$c7
-	-	\$0e	\$4e	\$8e	\$ce
+	+	\$06	\$46	\$86	\$c6
Enter	Enter	\$0c	\$4c	\$8c	\$cc
1	1	\$1f	\$1f	\$1f	\$1f
2	2	\$1e	\$1e	\$1e	\$1e
3	3	\$1a	\$1a	\$1a	\$1a
4	4	\$18	\$18	\$18	\$18
5	5	\$1d	\$5d	\$9d	\$dd
6	6	\$1b	\$1b	\$1b	\$1b
7	7	\$33	\$33	\$33	\$33
8	8	\$35	\$35	\$35	\$35
9	9	\$30	\$30	\$30	\$30
0	0	\$32	\$32	\$32	\$32
.	.	\$22	\$22	\$22	\$22
Atari Keyboard	IBM KeyBoard		Shift +	Control +	Shift+Control

**These Keys are on the 102 Keyboard Number Pad after Num Lock has been depressed**

	Num Lock	It Takes a 20 So 25 seconds to swap Keypad Map			
/	/	\$26	\$66	\$a6	\$e6
*	*	\$07	\$47	\$87	\$c7
-	-	\$0e	\$4e	\$8e	\$ce
+	+	\$06	\$46	\$86	\$c6
Enter	Enter	\$0c	\$4c	\$8c	\$cc
1	1	\$44	\$44	\$44	\$44
2	2	\$8f	\$8f	\$8f	\$8f
Sends \$8f 9 times	3	\$8f	\$8f	\$8f	\$8f
4	4	\$86	\$86	\$86	\$86
5	5	\$1d	\$5d	\$9d	\$dd
6	6	\$87	\$87	\$87	\$87

7	7	\$43	\$43	\$43	\$43
8	8	\$8e	\$8e	\$8e	\$8e
sends \$8e 9 times	9	\$8e	\$8e	\$8e	\$8e
0	0	\$32	\$32	\$32	\$32
.	.	\$22	\$22	\$22	\$22
Atari Keyboard	IBM KeyBoard		Shift +		

**These Keys are on the 102 Keyboard as Function Keys**

Cursor up	F1	\$03	\$43		
Cursor Down	F2	\$04	\$44		
Cursor Left	F3	\$13	\$53		
Cursor Right	F4	\$14	\$54		
Start	F5				
Select	F6				
Option	F7				
Reset	F8		Shift+Alt+Delete		
	F9	Not Definded			
Help	F10				
Inv	F11	\$27	\$67	\$a7	\$e7
Break	F12				
	Alt+F1	ILS KRH 1.0c 063014			
	Alt+f2	<a href="http://www.realdos.net">www.realdos.net</a>			
	Alt+f3	switching English keyboard layout (stays after power off)			
	Alt+f4	stop macro recording			
	ALT+F9	sending macro 1			
	ALT+F10	sending macro 2			
	ALT+F11	sending macro 3			
	ALT+F12	sending macro 4			
	Shift+ALT+F9	Record macro 1 (max. 15 keystrokes)			
	Shift+ALT+F10	Record macro 2 (max. 15 keystrokes)			
	Shift+ALT+F11	Record macro 3 (max. 15 keystrokes)			
	Shift+ALT+F12	Record macro 4 (max. 15 keystrokes)			
Atari Keyboard	IBM KeyBoard				
	Shift+F1	\$43	Goto top of screen (HOME)		
	Shift+F2	\$44	Goto end of line		
	Shift+F3	\$53	Goto start of line		
	Shift+F4	\$54	Goto bottom of screen		
	Control+F1	Keyboard until pressing CTRL-F1			
	Control+F2	Screen until pressing any key			
	Control+F3	\$93	Toggles keyboardclick		
	Control+F4	Toggles charset (graphic / international)			