

Key Mappings Mirador PC8800 Emulator

Supplement to the PC8800 User's Manual, for software releases V1.25 and subsequent

Standard 101-key PC keyboard (using standard BIOS Int 0x16 access)

PC 101 Legend	Intecolor 117 Legend	Intecolor Translations (hex)				Special use
		Normal	Shift	Control	Cmd/Alt	
Esc	Esc / Setup	0x1b	0x1b	0x1b	0x80	Setup Entry (w/ALT)
Backspace	Not used	0x00	0x00	0x00	0x00	
Q	Q	0x71	0x51	0x11	0x91	
W	W	0x77	0x57	0x17	0x97	
E	E	0x65	0x45	0x05	0x85	
R	R	0x72	0x52	0x12	0x92	
T	T	0x74	0x54	0x14	0x94	
Y	Y	0x79	0x59	0x19	0x99	
U	U	0x75	0x55	0x15	0x95	
I	I	0x69	0x49	0x09	0x89	
O	O	0x6f	0x4f	0x0f	0x8f	
P	P	0x70	0x50	0x10	0x90	
[{	[{	0x5b	0x7b	0x1b	0x9b	
]}	]}	0x5d	0x7d	0x1d	0x9d	
Enter	Return	0x0d	0x8d	0x0d	0x8d	Setup exit
A	A	0x61	0x41	0x01	0x81	
S	S	0x73	0x53	0x13	0x93	
D	D	0x64	0x44	0x04	0x84	
F	F	0x66	0x46	0x06	0x86	
G	G	0x67	0x47	0x07	0x87	
H	H	0x68	0x48	0x08	0x88	
J	J	0x6a	0x4a	0x0a	0x8a	
K	K	0x6b	0x4b	0x0b	0x8b	
L	L	0x6c	0x4c	0x0c	0x8c	
::	::	0x3b	0x3a	NA	0xba	
'"	"	0x27	0x22	NA	0xa2	
`~	~	0x60	0x7e	NA	0x9e	
\|	\|	0x5c	0x7c	0x1c	0x9c	
Z	Z	0x7a	0x5a	0x1a	0x9a	
X	X	0x78	0x58	0x18	0x98	
C	C	0x63	0x43	0x03	0x83	
V	V	0x76	0x56	0x16	0x96	
B	B	0x62	0x42	0x02	0x82	
N	N	0x6e	0x4e	0x0e	0x8e	
M	M	0x6d	0x4d	0x0d	0x8d	
, <	, <	0x2c	0x3c	NA	0xbc	
. >	. >	0x2e	0x3e	NA	0xbe	
/ ?	/ ?	0x2f	0x3f	NA	0xbf	
NP*	NP x	0x2a	0x2a	0x2a	0x2a	

PC 101	Intecolor 117	Intecolor Translations (hex)				Special Use
		Normal	Shift	Control	Cmd/Alt	
Space Bar	Space Bar	0x20	0xa0	0x20	0xa0	
NP-	NP -	0x2d	0x3d	0xad	0xbd	
NP+	NP +	0x2b	0x2b	0x2b	0x2b	
F1	F1	0xf1	0xd1	0xc1	0xe1	
F2	F2	0xf2	0xd2	0xc2	0xe2	
F3	F3	0xf3	0xd3	0xc3	0xe3	
F4	F4	0xf4	0xd4	0xc4	0xe4	
F5	F5	0xf5	0xd5	0xc5	0xe5	
F6	F6	0xf6	0xd6	0xc6	0xe6	
F7	F7	0xf7	0xd7	0xc7	0xe7	
F8	F8	0xf8	0xd8	0xc8	0xe8	
F9	F9	0xf9	0xd9	0xc9	0xe9	
F10	F10	0xfa	0xda	0xca	0xea	
1 !	1 !	0x31	0x21	NA	0xa1	Setup function
2 @	2 @	0x32	0x40	0xb2	0x80	Setup function
3 #	3 #	0x33	0x23	NA	0xa3	Setup function
4 \$	4 \$	0x34	0x24	NA	0xa4	Setup function
5 %	5 %	0x35	0x25	NA	0xa5	Setup function
6 ^	6 ^	0x36	0x5e	0xb6	0x1e	
7 &	7 &	0x37	0x26	NA	0xa6	
8 *	8 *	0x38	0x2a	NA	0xaa	
9 (	9 (	0x39	0x28	NA	0xa8	
0)	0)	0x30	0x29	NA	0xa9	
_ -	_ -	0x2d	0x5f	0xad	0x1f	
= +	= +	0x3d	0x2b	NA	0xab	
F11	F11	0xfb	0xdb	0xcb	0xeb	
F12	F12	0xfc	0xdc	0xcc	0xec	
Aux Home	Home	0x08	0x08	0x08	0x88	
Aux UpAr	Up Arrow	0x1c	0x9c	0x1c	0x9c	Setup navigation
Aux PgUp	Erase Page	0x0c	0x8c	0x0c	0x8c	
Aux LfAr	Left Arrow	0x1a	0x9a	0x1a	0x9a	Setup navigation
Aux RtAr	Right Arrow	0x19	0x99	0x19	0x99	Setup navigation
Aux End	Not used	0x00	0x00	0x00	0x00	
Aux DnAr	Down Arrow	0x0a	0x8a	0x0a	0x8a	Setup navigation
Aux PgDn	Erase Line	0x0b	0x8b	0x0b	0x8b	
Aux Insert	Insert Char	0x51	0x51	0x51	0x51	
Aux Delete	Delete Char	0x7f	0x7f	0x7f	0x7f	
NP/	NP /	0x2f	0x3f	0xaf	0xbf	
Tab	Tab	0x09	0x89	0x09	0x89	
NP Enter =	NP =	0x3d	0x3d	0x3d	0x3d	
Ctrl (right)	Control (right)	0x00	0x00	0x00	0x00	
Print Screen		0x00	0x00	0x00	0x00	Local print screen
Alt (right)	Command	0x00	0x00	0x00	0x00	
Pause/Break	Not used	NA	NA	NA	NA	
Scroll Lock		0x00	0x00	0x00	0x00	
Num Lock		0x00	0x00	0x00	0x00	

PC 101 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd	
Shift (left)	Shift (left)	0x00	0x00	0x00	0x00	
NP9 PgUp	NP 9	0x39	0xa9	0xb9	NA	
NP8 UpAr	NP 8	0x38	0xa8	0xb8	NA	
NP7 Home	NP 7	0x37	0xa7	0xb7	NA	
Ctrl (left)	Control (left)	0x00	0x00	0x00	0x00	
Caps Lock	Alpha Lock	0x00	0x00	0x00	0x00	
Alt (left)	Command	0x00	0x00	0x00	0x00	
Shift (right)	Shift (right)	0x00	0x00	0x00	0x00	
NP0 Ins	NP 0	0x30	0xa0	0xb0	NA	
NP3 PgDn	NP 3	0x33	0xa3	0xb3	NA	
NP6 RtAr	NP 6	0x36	0xa6	0xb6	NA	
NP. Del	NP.	0x2e	0x3e	0xae	NA	
NP5	NP 5	0x35	0xa5	0xb5	NA	
NP4 LfAr	NP 4	0x34	0xa4	0xb4	NA	
NP2 DnAr	NP 2	0x32	0xa2	0xb2	NA	
NP1 End	NP 1	0x31	0xa1	0xb1	NA	

Intecolor 117-key Keyboard Keys not mapped on 101-key PC keyboard

Repeat	NA	NA	NA	NA
Break	0x23	0x23	0x23	0x23
F13	0xfd	0xdd	0xed	0xcd
F14	0xfe	0xde	0xee	0xce
F15	0xff	0xdf	0xef	0xcf
F0	0xf0	0xd0	0xe0	0xc0
Colpad Black	0x10	0x90	0x10	0x90
Colpad Red	0x11	0x91	0x11	0x91
Colpad Green	0x12	0x92	0x12	0x92
Colpad Yellow	0x13	0x93	0x13	0x93
Colpad Blue	0x14	0x94	0x14	0x94
Colpad Magenta	0x15	0x95	0x15	0x95
Colpad Cyan	0x16	0x96	0x16	0x96
Colpad White	0x17	0x97	0x17	0x97
Auto	0x49	0x49	0x49	0x00
FG On	0x1d	0x1d	0x1d	0x9d
BG On	0x1e	0x1e	0x1e	0x9e
Blink On	0x1f	0x1f	0x1f	0x9f
2X/Blink Off	0x0f	0x8f	0x0f	0x8f
2X Char On	0x0e	0x8e	0x0e	0x8e
Insert Line	0x55	0x55	0x55	0x55
Delete Line	0x56	0x56	0x56	0x56

Standard 101-key PC Keyboard (using custom BIOS int 0x09 access)

PC 101 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd	
Esc	Esc / Setup	0x1b	0x1b	0x1b	0x1b	Setup Entry (w/ALT)
1 !	1 !	0x31	0x21	0xb1	0xa1	Setup function
2 @	2 @	0x32	0x40	0xb2	0x80	Setup function
3 #	3 #	0x33	0x23	0xb3	0xa3	Setup function
4 \$	4 \$	0x34	0x24	0xb4	0xa4	Setup function
5 %	5 %	0x35	0x25	0xb5	0xa5	Setup function
6 ^	6 ^	0x36	0x5e	0xb6	0x1e	
7 &	7 &	0x37	0x26	0xb7	0xa6	
8 *	8 *	0x38	0x2a	0xb8	0xaa	
9 (	9 (	0x39	0x28	0xb9	0xa8	
0)	0)	0x30	0x29	0xb0	0xa9	
- _	- _	0x2d	0x5f	0xad	0x1f	
= +	= +	0x3d	0x2b	0xbd	0xab	
Backspace	Not used	0x00	0x00	0x00	0x00	
Tab	Tab	0x09	0x89	0x09	0x89	
Q	Q	0x71	0x51	0x11	0x91	
W	W	0x77	0x57	0x17	0x97	
E	E	0x65	0x45	0x05	0x85	
R	R	0x72	0x52	0x12	0x92	
T	T	0x74	0x54	0x14	0x94	
Y	Y	0x79	0x59	0x19	0x99	
U	U	0x75	0x55	0x15	0x95	
I	I	0x69	0x49	0x09	0x89	
O	O	0x6f	0x4f	0x0f	0x8f	
P	P	0x70	0x50	0x10	0x90	
[{	[{	0x5b	0x7b	0x1b	0x9b	
] }	] }	0x5d	0x7d	0x1d	0x9d	
Enter	RETURN	0x0d	0x8d	0x0d	0x8d	Setup exit
Ctrl (left)	Left Ctrl	0x00	0x00	0x00	0x00	
A	A	0x61	0x41	0x01	0x81	
S	S	0x73	0x53	0x13	0x93	
D	D	0x64	0x44	0x04	0x84	
F	F	0x66	0x46	0x06	0x86	
G	G	0x67	0x47	0x07	0x87	
H	H	0x68	0x48	0x08	0x88	
J	J	0x6a	0x4a	0x0a	0x8a	
K	K	0x6b	0x4b	0x0b	0x8b	
L	L	0x6c	0x4c	0x0c	0x8c	
::	::	0x3b	0x3a	0xbb	0xba	
""	""	0x27	0x22	0xa7	0xa2	
~`	~`	0x60	0x7e	0x80	0x9e	
Shift (left)	Left shift	0x00	0x00	0x00	0x00	
\|	\|	0x5c	0x7c	0x1c	0x9c	
Z	Z	0x7a	0x5a	0x1a	0x9a	
X	X	0x78	0x58	0x18	0x98	

PC 101 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd	
C	C	0x63	0x43	0x03	0x83	
V	V	0x76	0x56	0x16	0x96	
B	B	0x62	0x42	0x02	0x82	
N	N	0x6e	0x4e	0x0e	0x8e	
M	M	0x6d	0x4d	0x0d	0x8d	
, <	, <	0x2c	0x3c	0xac	0xbc	
. >	. >	0x2e	0x3e	0xae	0xbe	
/ ?	/ ?	0x2f	0x3f	0xaf	0xbf	
Shift (right)	Right Shift	0x00	0x00	0x00	0x00	
NP*	NP x	0x2a	0x2a	0x2a	0x2a	
Alt (left)	(special modifier key)	0x00	0x00	0x00	0x00	
Space	Space Bar	0x20	0xa0	0x20	0xa0	
Caps Lock	(special modifier key)	0x00	0x00	0x00	0x00	
F1	F1	0xf1	0xd1	0xc1	0xe1	
F2	F2	0xf2	0xd2	0xc2	0xe2	
F3	F3	0xf3	0xd3	0xc3	0xe3	
F4	F4	0xf4	0xd4	0xc4	0xe4	
F5	F5	0xf5	0xd5	0xc5	0xe5	
F6	F6	0xf6	0xd6	0xc6	0xe6	
F7	F7	0xf7	0xd7	0xc7	0xe7	
F8	F8	0xf8	0xd8	0xc8	0xe8	
F9	F9	0xf9	0xd9	0xc9	0xe9	
F10	F10	0xfa	0xda	0xca	0xea	
Num Lock	(special modifier key)	0x00	0x00	0x00	0x00	
Scroll Lock	(special modifier key)	0x00	0x00	0x00	0x00	
NP7 Home	NP 7	0x37	0xa7	0xb7	0xa7	
NP8 UpAr	NP 8	0x38	0xa8	0xb8	0xa8	
NP9 PgUp	NP 9	0x39	0xa9	0xb9	0xa9	
NP-	NP -	0x2d	0x2d	0xad	0xbd	
NP4 LfAr	NP 4	0x34	0xa4	0xb4	0xa4	
NP5	NP 5	0x35	0xa5	0xb5	0xa5	
NP6 RtAr	NP 6	0x36	0xa6	0xb6	0xa6	
NP+	NP +	0x2b	0x2b	0x2b	0x2b	
NP1 End	NP 1	0x31	0xa1	0xb1	0xa1	
NP2 DnAr	NP 2	0x32	0xa2	0xb2	0xa2	
NP3 PgDn	NP 3	0x33	0xa3	0xb3	0xa3	
NP0 Ins	NP 0	0x30	0xa0	0xb0	0xa0	
NP. Del	NP.	0x2e	0x3e	0xae	0xbe	
F11	F11	0xfb	0xdb	0xcb	0xeb	
F12	F12	0xfc	0xdc	0xcc	0xec	
NPEnter =	NP =	0x3d	0x3d	0x3d	0x3d	
Ctrl (right)	Right Ctrl	0x00	0x00	0x00	0x00	
Print Screen	Special function	0x00	0x00	0x00	0x00	Local print screen
NP/	NP /	0x2f	0x3f	0xaf	0xbf	
Alt (right)	(special modifier key)	0x00	0x00	0x00	0x00	

PC 101 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd	
Aux Home	Home	0x08	0x08	0x08	0x88	
Aux UpAr	Up Arrow	0x1c	0x9c	0x1c	0x9c	Setup navigation
Aux PgUp	Erase Page	0x0c	0x8c	0x0c	0x8c	
Aux LfAr	Left Arrow	0x1a	0x1a	0x1a	0x9a	Setup navigation
Aux RtAr	Right Arrow	0x19	0x99	0x19	0x99	Setup navigation
Aux End	Not used	0x00	0x00	0x00	0x00	
Aux DnAr	Down Arrow	0x0a	0x8a	0x0a	0x8a	Setup navigation
Aux PgDn	Erase Line	0x0b	0x8b	0x0b	0x8b	
Aux Insert	Insert Char	0x51	0x51	0x51	0x51	
Aux Delete	Delete Char	0x7f	0x7f	0x7f	0x7f	
Pause/Break	Break	0x23	0x23	0x23	0x23	

122-Key PC Keyboard (using custom BIOS int 0x09 access)

Note: key code assignments are based on programming of the keyboard with a PV04 scan code set and use of special key legending

PC 122 Legend	Intecolor 117 Legend	Translations (hex)				Special func
		Normal	Shift	Control	Cmd/Alt	
NP End	Esc / Setup	0x1b	0x1b	0x1b	NA	Setup Entry (w/ALT)
1 !	1 !	0x31	0x21	0xb1	0xa1	Setup function
2 @	2 @	0x32	0x40	0xb2	0x80	Setup function
3 #	3 #	0x33	0x23	0xb3	0xa3	Setup function
4 \$	4 \$	0x34	0x24	0xb4	0xa4	Setup function
5 %	5 %	0x35	0x25	0xb5	0xa5	Setup function
6 ^	6 ^	0x36	0x5e	0xb6	0x1e	
7 &	7 &	0x37	0x26	0xb7	0xa6	
8 *	8 *	0x38	0x2a	0xb8	0xaa	
9 (	9 (	0x39	0x28	0xb9	0xa8	
0)	0)	0x30	0x29	0xb0	0xa9	
- _	- _	0x2d	0x5f	0xad	0x1f	
= +	= +	0x3d	0x2b	0xbd	0xab	
Backspace	not assigned	0x00	0x00	0x00	0x00	
Tab	TAB	0x09	0x89	0x09	0x89	
Q	Q	0x71	0x51	0x11	0x91	
W	W	0x77	0x57	0x17	0x97	
E	E	0x65	0x45	0x05	0x85	
R	R	0x72	0x52	0x12	0x92	
T	T	0x74	0x54	0x14	0x94	
Y	Y	0x79	0x59	0x19	0x99	
U	U	0x75	0x55	0x15	0x95	
I	I	0x69	0x49	0x09	0x89	
O	O	0x6f	0x4f	0x0f	0x8f	
P	P	0x70	0x50	0x10	0x90	
[{	[{	0x5b	0x7b	0x1b	0x9b	
] }	] }	0x5d	0x7d	0x1d	0x9d	
Enter	RETURN	0x0d	0x8d	0x0d	0x8d	
Left Ctrl	Left Control	0x00	0x00	0x00	0x00	
A	A	0x61	0x41	0x01	0x81	
S	S	0x73	0x53	0x13	0x93	
D	D	0x64	0x44	0x04	0x84	
F	F	0x66	0x46	0x06	0x86	
G	G	0x67	0x47	0x07	0x87	
H	H	0x68	0x48	0x08	0x88	
J	J	0x6a	0x4a	0x0a	0x8a	
K	K	0x6b	0x4b	0x0b	0x8b	
L	L	0x6c	0x4c	0x0c	0x8c	
;;	;;	0x3b	0x3a	0xbb	0xba	
“	“	0x27	0x22	0xa7	0xa2	
`~	`~	0x60	0x7e	0x80	0x9e	

PC 122 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd/Alt	
Left shift	Left Shift	0x00	0x00	0x00	0x00	
\ |	\ |	0x5c	0x7c	0x1c	0x9c	
Z	Z	0x7a	0x5a	0x1a	0x9a	
X	X	0x78	0x58	0x18	0x98	
C	C	0x63	0x43	0x03	0x83	
V	V	0x76	0x56	0x16	0x96	
B	B	0x62	0x42	0x02	0x82	
N	N	0x6e	0x4e	0x0e	0x8e	
M	M	0x6d	0x4d	0x0d	0x8d	
, <	, <	0x2c	0x3c	0xac	0xbc	
. >	. >	0x2e	0x3e	0xae	0xbe	
/ ?	/ ?	0x2f	0x3f	0xaf	0xbf	
Right Shift	Right Shift	0x00	0x00	0x00	0x00	
NP /	NP /	0x2f	0x3f	0xaf	0xbf	
Left Alt	Command	0x00	0x00	0x00	0x00	
Space Bar	Space Bar	0x20	0xa0	0x20	0xa0	
Caps Lock	Alpha Lock	0x00	0x00	0x00	0x00	
F1	AUTO	0x49	0x49	0x49	0x00	
F2	FG ON	0x1d	0x1d	0x1d	0x9d	
F3	BG ON	0x1e	0x1e	0x1e	0x9e	
F4	BLINK ON	0x1f	0x1f	0x1f	0x9f	
F5	2X/BLINK OFF	0x0f	0x8f	0x0f	0x8f	
F6	2X CHAR ON	0x0e	0x8e	0x0e	0x8e	
F7	(special function)	0x00	0x00	0x00	0x00	Local print screen (w/ALT)
F8	BREAK	0x23	0x23	0x23	0x23	
F9	F12	0xfc	0xdc	0xcc	0xec	
F10	F13	0xfd	0xdd	0xcd	0xed	
NP/NumLk/Scr Lk	Not used	0x00	0x00	0x00	0x00	
NP 7	NP 7	0x37	0xa7	0xb7	0xa7	
NP 8	NP 8	0x38	0xa8	0xb8	0xa8	
NP 9	NP 9	0x39	0xa9	0xb9	0xa9	
NP +	NP +	0x2b	0x2b	0x2b	0x2b	
NP 4	NP 4	0x34	0xa4	0xb4	0xa4	
NP 5	NP 5	0x35	0xa5	0xb5	0xa5	
NP 6	NP 6	0x36	0xa6	0xb6	0xa6	
NP -	NP -	0x2d	0x2d	0xad	0xbd	
NP 1	NP 1	0x31	0xa1	0xb1	0xa1	
NP 2	NP 2	0x32	0xa2	0xb2	0xa2	
NP 3	NP 3	0x33	0xa3	0xb3	0xa3	
NP 0	NP 0	0x30	0xa0	0xb0	0xa0	
NP . Del	NP .	0x2e	0x3e	0xae	0xbe	
Blank	DEL	0x7f	0x9f	0x00	0x00	
F11	F14	0xfe	0xde	0xce	0xee	
F12	F15	0xff	0xdf	0xcf	0xef	
Aux Backtab	Insert Line	0x55	0x55	0x55	0x55	
F13	F0	0xf0	0xd0	0xc0	0xe0	

PC 122 Legend	Intecolor 117 Legend	Translations (hex)				Special Use
		Normal	Shift	Control	Cmd/Alt	
F14	F1	0xf1	0xd1	0xc1	0xe1	
F15	F2	0xf2	0xd2	0xc2	0xe2	
F16	F3	0xf3	0xd3	0xc3	0xe3	
F17	F4	0xf4	0xd4	0xc4	0xe4	
F18	F5	0xf5	0xd5	0xc5	0xe5	
F19	F6	0xf6	0xd6	0xc6	0xe6	
F20	F7	0xf7	0xd7	0xc7	0xe7	
F21	F8	0xf8	0xd8	0xc8	0xe8	
F22	F9	0xf9	0xd9	0xc9	0xe9	
F23	F10	0xfa	0xda	0xca	0xea	
F24	F11	0xfb	0xdb	0xcb	0xeb	
Left Pointer	Command	0x00	0x00	0x00	0x00	
Left Help	Col Pad Cyan	0x16	0x96	0x16	0x96	
Left Play	Col Pad White	0x17	0x97	0x17	0x97	
Left Print Screen	Col Pad Red	0x11	0x91	0x11	0x91	
Left Print	Col Pad Green	0x12	0x92	0x12	0x92	
Left L-Win	Command	0x00	0x00	0x00	0x00	
Left | cent	Col Pad Blue	0x14	0x94	0x14	0x94	
Left Sys Req/ESC	Col Pad Black	0x10	0x90	0x10	0x90	
NP Enter =	NP =	0x3d	0x3d	0x3d	0x3d	
Right Ctrl	Right Control	0x00	0x00	0x00	0x00	
Left R'crd	Col Pad Yellow	0x13	0x93	0x13	0x93	
NP *	NP x	0x2a	0x2a	0x2a	0x2a	
Right Alt	Command	0x00	0x00	0x00	0x00	
Aux New Line	Delete Line	0x56	0x56	0x56	0x56	
Aux Home	Home	0x08	0x08	0x08	0x88	
Aux Up Arrow	Up Arrow	0x1c	0x9c	0x1c	0x9c	Setup Navigation
Aux Insert	Insert Char	0x51	0x51	0x51	0x51	
Aux Left Arrow	Left Arrow	0x1a	0x1a	0x1a	0x9a	Setup Navigation
Aux Rt Arrow	Right Arrow	0x19	0x99	0x19	0x99	Setup Navigation
Aux DnAr	Down Arrow	0x0a	0x8a	0x0a	0x8a	Setup Navigation
Aux PageUp	Erase Page	0x0c	0x8c	0x0c	0x8c	
Aux Delete	Delete Char	0x7f	0x7f	0x7f	0x7f	
Aux Pg Dn	Erase Line	0x0b	0x8b	0x0b	0x8b	
Left Pause	Col Pad Magenta	0x15	0x95	0x15	0x95	

Layout of 122-key PC Keyboard for PC8800 Emulator

