External keyboard layout

Here is the **eLeMeNt's PC keyboard** layout. Use keycap stickers with other PC keyboard.

PC		eLeMeNt ZX
Win	.....	**ZX** (COLOUR or Meta)
Ctrl	.....	**Symbol shift**
Shift	.....	**Caps shift**
Esc	.....	**Break**
Tab	.....	**Extend Mode**

The **ZX Spectrum Delete** key is the **PC Backspace**, next the PC Delete key!

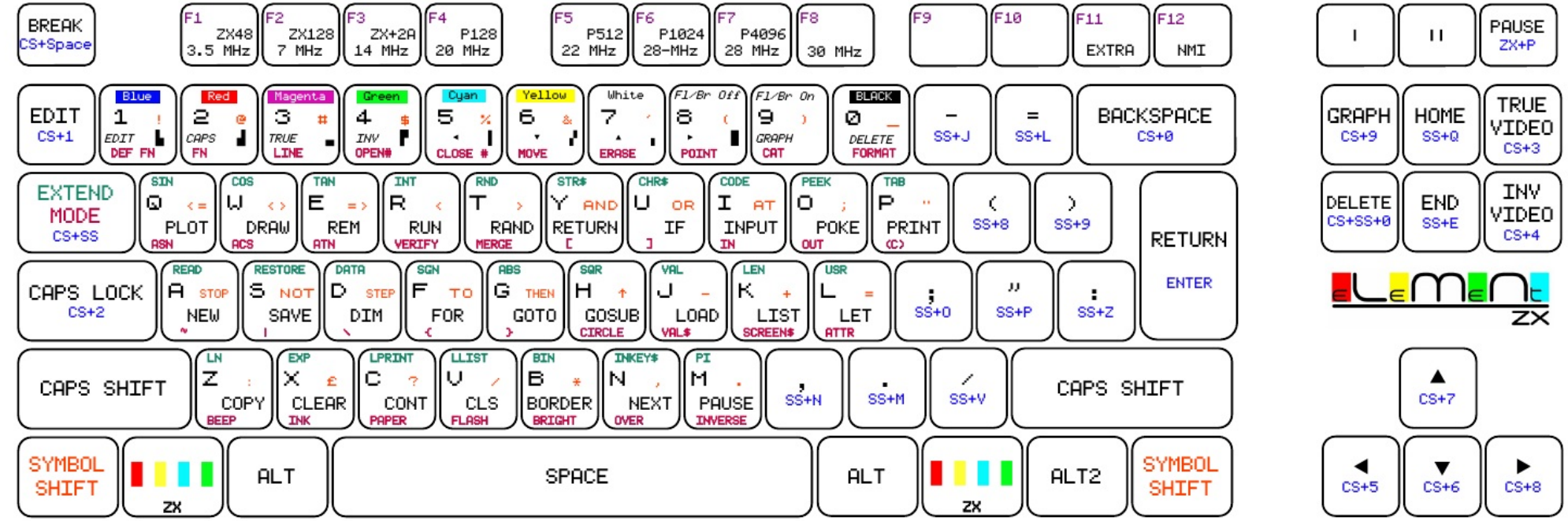
ZX + F11	EXTRA button
ZX + F12	NMI button
ZX + P	Pause
ZX + G	GigaScreen (switch)
ZX + D	DVI mode (switch)
ZX + Alt + D	Status (diag) info
SymbolShift + Alt + Delete	Reset
SymbolShift + Alt + Space	Reset + esxDOS reboot

CPU speed control keys (3.5 to 30 MHz, incl. 1T ROM Delay and Overclock)
are mapped to the **ZX** key **+ F1** to **F8** function keys.

Machine type switchers (48, 128, +2A and Pentagon memory layouts and contention)
are mapped to the **ZX** key **+ ALT** key **+ F1** to **F7** function keys.

esxDOS reboot: push **reset** while **holding the Space** key or
pres and release **Symbol shift + Alt** keys while **holding the Space** key

On smaller keyboards **without a separate numeric block**, the numeric keys usually take up part of the main block. In this case, after turning your eLeMeNt ZX on, press the **NUM lock** key to switch the numeric block off.



Shifts and extra keys of the ZX keyboard are mapped to a **PC keyboard** as follows:

Caps Shift		**Shift**
Symbol Shift		**Ctrl**
Extend mode	CS+SS	**Tab**
Edit	CS+1	` (accent)
Caps Lock	CS+2	**Caps Lock**
True Video	CS+3	**Page Up**
Inverse Video	CS+4	**Page Down**
<=	SS+Q	**Home**
>=	SS+E	**End**

: (colon)	SS+Z	\ (backslash)
Left	CS+5	**Left**
Down	CS+6	**Down**
Up	CS+7	**Up**
Right	CS+8	**Right**
Graph	CS+9	**Insert**
Delete	CS+0	**Backspace**
	CS+SS+0	**Delete**
Break	CS+Space	**Escape**

ZX Basic **colours in extended mode**:

EXT +	keys 0 to 7	key 8	key 9
no caps	paper colours	no brightness	brightness
Caps shift pressed	ink colours	no flashing	flashing

Note: Every key has a **unique (PC) scancode** and can be read in the same way as the ZX-Uno does. More details you will find in the Programmer´s Reference Manual.

Extended and shifted keys may have different meanings in various programs, especially in numerous Pentagon/Scorpion software.