

## Scan-Table for Chipbasic2 – Keyboard-Matrix R2.0

Program: PS2\_Key\_Encoder\_CB2\_R2.1 - 2 MHz -2400.hex

-rttyfan- / W. Schmidt / 11.07.2020

SHL=PD.6 SHR=PD.1 Contr.=PD.5

| CHAR | D.1 | D.6 | D.5 | PORTC | PINB | LABEL      | MAKE | LABEL       | BREAK     | LABEL     | Data_Sets                     |
|------|-----|-----|-----|-------|------|------------|------|-------------|-----------|-----------|-------------------------------|
| 0    | 1   | 1   | 1   | &HFE  | &HEF | Key_0_Make | &H45 | Key_0_Break | &HF0,&H45 |           |                               |
| 1    | 1   | 1   | 1   | &HFE  | &HF7 | Key_1_Make | &H16 | Key_1_Break | &HF0,&H16 |           |                               |
| 2    | 1   | 1   | 1   | &HFD  | &HF7 | Key_2_Make | &H1E | Key_2_Break | &HF0,&H1E |           |                               |
| 3    | 1   | 1   | 1   | &HFB  | &HF7 | Key_3_Make | &H26 | Key_3_Break | &HF0,&H26 |           |                               |
| 4    | 1   | 1   | 1   | &HF7  | &HF7 | Key_4_Make | &H25 | Key_4_Break | &HF0,&H25 |           |                               |
| 5    | 1   | 1   | 1   | &HEF  | &HF7 | Key_5_Make | &H2E | Key_5_Break | &HF0,&H2E |           |                               |
| 6    | 1   | 1   | 1   | &HEF  | &HEF | Key_6_Make | &H36 | Key_6_Break | &HF0,&H36 |           |                               |
| 7    | 1   | 1   | 1   | &HF7  | &HEF | Key_7_Make | &H3D | Key_7_Break | &HF0,&H3D |           |                               |
| 8    | 1   | 1   | 1   | &HFB  | &HEF | Key_8_Make | &H3E | Key_8_Break | &HF0,&H3E |           |                               |
| 9    | 1   | 1   | 1   | &HFD  | &HEF | Key_9_Make | &H46 | Key_9_Break | &HF0,&H46 |           |                               |
| -    | 0   | 1   | 1   | &HEF  | &H7F |            |      |             |           | Key_SHR_B | &H4A,&HF0,&H4A                |
| !    | 0   | 1   | 1   | &HFE  | &HF7 | Key_1_Make | &H16 | Key_1_Break | &HF0,&H16 |           |                               |
| #    | 0   | 1   | 1   | &HF7  | &HDF |            |      |             |           | Key_SHR_U | &H5D,&HF0,&H5D                |
| \$   | 0   | 1   | 1   | &HF7  | &HF7 | Key_4_Make | &H25 | Key_4_Break | &HF0,&H25 |           |                               |
| %    | 0   | 1   | 1   | &HEF  | &HF7 | Key_5_Make | &H2E | Key_5_Break | &HF0,&H2E |           |                               |
| &    | 0   | 1   | 1   | &HEF  | &HEF | Key_6_Make | &H36 | Key_6_Break | &HF0,&H36 |           |                               |
| (    | 0   | 1   | 1   | &HFB  | &HEF | Key_8_Make | &H3E | Key_8_Break | &HF0,&H3E |           |                               |
| )    | 0   | 1   | 1   | &HFD  | &HEF | Key_9_Make | &H46 | Key_9_Break | &HF0,&H46 |           |                               |
| *    | 0   | 1   | 1   | &HFB  | &HFB |            |      |             |           | Key_SHR_E | &H59,&H5B,&HF0,&H59,&HF0,&H5B |
| ,    | 0   | 1   | 1   | &HF7  | &HFE |            |      |             |           | Key_SHR_C | &H41,&HF0,&H41                |

|         |   |   |   |      |      |            |      |             |           |                 |                                         |
|---------|---|---|---|------|------|------------|------|-------------|-----------|-----------------|-----------------------------------------|
| .       | 0 | 1 | 1 | &HEF | &HFE |            |      |             |           | Key_SHR_V       | &H49,&HF0,&H49                          |
| /       | 0 | 1 | 1 | &HF7 | &HEF | Key_7_Make | &H3D | Key_7_Break | &HF0,&H3D |                 |                                         |
| :       | 0 | 1 | 1 | &HFD | &HF7 | Key_2_Make | &H1E | Key_2_Break | &HF0,&H1E |                 |                                         |
| :       | 0 | 1 | 1 | &HFB | &HFE |            |      |             |           | Key_SHR_X       | &H59,&H49,&HF0,&H59,&HF0,&H49           |
| ;       | 0 | 1 | 1 | &HFD | &HFE |            |      |             |           | Key_SHR_Y       | &H59,&H41,&HF0,&H59,&HF0,&H41           |
| ?       | 0 | 1 | 1 | &HFE | &HFB |            |      |             |           | Key_SHR_Q       | &H59,&H4E,&HF0,&H59,&HF0,&H4E           |
| @       | 0 | 1 | 1 | &HFB | &HF7 | Key_3_Make | &H26 | Key_3_Break | &HF0,&H26 |                 |                                         |
| \       | 0 | 1 | 1 | &HEF | &HDF |            |      |             |           | Key_SHR_Z       | &HE0,&H11,&H4E,&HE0,&HF0,&H11,&HF0,&H4E |
| _       | 0 | 1 | 1 | &HF7 | &H7F |            |      |             |           | Key_SHR_N       | &H59,&H4A,&HF0,&H59,&HF0,&H4A           |
| `       | 0 | 1 | 1 | &HFD | &HFB |            |      |             |           | Key_SHR_W       | &H59,&H5D,&HF0,&H59,&HF0,&H5D           |
|         | 0 | 1 | 1 | &HFB | &H7F |            |      |             |           | Key_SHR_M       | &HE0,&H11,&H61,&HE0,&HF0,&H11,&HF0,&H61 |
| ~       | 0 | 1 | 1 | &HEF | &HFB |            |      |             |           | Key_SHR_T       | &HE0,&H11,&H5B,&HE0,&HF0,&H11,&HF0,&H5B |
| +       | 0 | 1 | 1 | &HF7 | &HFB |            |      |             |           | Key_SHR_R       | &H5B,&HF0,&H5B                          |
| <       | 0 | 1 | 1 | &HFB | &HDF |            |      |             |           | Key_SHR_I       | &H61,&HF0,&H61                          |
| =       | 0 | 1 | 1 | &HFE | &HEF | Key_0_Make | &H45 | Key_0_Break | &HF0,&H45 |                 |                                         |
| >       | 0 | 1 | 1 | &HFD | &HDF |            |      |             |           | Key_SHR_O       | &H59,&H61,&HF0,&H59,&HF0,&H61           |
| A       | 1 | 0 | 1 | &HFE | &HFD | Key_a_Make | &H1C | Key_a_Break | &HF0,&H1C |                 |                                         |
| a       | 1 | 1 | 1 | &HFE | &HFD | Key_a_Make | &H1C | Key_a_Break | &HF0,&H1C |                 |                                         |
| B       | 1 | 0 | 1 | &HEF | &H7F | Key_b_Make | &H32 | Key_b_Break | &HF0,&H32 |                 |                                         |
| b       | 1 | 1 | 1 | &HEF | &H7F | Key_b_Make | &H32 | Key_b_Break | &HF0,&H32 |                 |                                         |
| Contr.C | 1 | 1 | 0 | &HFD | &H7F | Key_c_Make | &H21 | Key_c_Break | &HF0,&H21 |                 |                                         |
| BS      | 1 | 1 | 1 | &HFE | &HFE |            |      |             |           | Key_BS          | &H66,&HF0,&H66                          |
| C       | 1 | 0 | 1 | &HF7 | &HFE | Key_c_Make | &H21 | Key_c_Break | &HF0,&H21 |                 |                                         |
| c       | 1 | 1 | 1 | &HF7 | &HFE | Key_c_Make | &H21 | Key_c_Break | &HF0,&H21 |                 |                                         |
| CTR_Off | 1 | 1 | 1 | &HDF | /    |            |      |             |           | Key_Contr_Make  | &HF0,&H14                               |
| CTR_On  | 1 | 1 | 0 | &HDF | /    |            |      |             |           | Key_Contr_Break | &H14                                    |
| CTR_F1  | 1 | 1 | 0 | &HDF | &HF7 |            |      |             |           | Key_Con_F1      | &H14,&H05,&HF0,&H14,&HF0,&H05           |
| CTR_F2  | 1 | 1 | 0 | &HDF | &HFB |            |      |             |           | Key_Con_F2      | &H14,&H06,&HF0,&H14,&HF0,&H06           |

|               |   |   |   |      |      |               |           |                |                |            |                                         |
|---------------|---|---|---|------|------|---------------|-----------|----------------|----------------|------------|-----------------------------------------|
| <b>CTR_F3</b> | 1 | 1 | 0 | &HDF | &HFD |               |           |                |                | Key_Con_F3 | &H14,&H04,&HF0,&H14,&HF0,&H04           |
| <b>CTR_F4</b> | 1 | 1 | 0 | &HDF | &HFE |               |           |                |                | Key_Con_F4 | &H14,&H0C,&HF0,&H14,&HF0,&H0C           |
| <b>D</b>      | 1 | 0 | 1 | &HFB | &HFD | Key_d_Make    | &H23      | Key_d_Break    | &HF0,&H23      |            |                                         |
| <b>d</b>      | 1 | 1 | 1 | &HFB | &HFD | Key_d_Make    | &H23      | Key_d_Break    | &HF0,&H23      |            |                                         |
| <b>Down</b>   | 1 | 1 | 1 | &HDF | &H7F | Key_Down_Make | &HE0,&H72 | Key_Down_Break | &HE0,&HF0,&H72 |            |                                         |
| <b>E</b>      | 1 | 0 | 1 | &HFB | &HFB | Key_e_Make    | &H24      | Key_e_Break    | &HF0,&H24      |            |                                         |
| <b>e</b>      | 1 | 1 | 1 | &HFB | &HFB | Key_e_Make    | &H24      | Key_e_Break    | &HF0,&H24      |            |                                         |
| <b>Einfg</b>  | 0 | 1 | 1 | &HFB | &HBF |               |           |                |                | Key_SHR_K  | &H12,&HE0,&H70,&HE0,&HF0,&H70,&HF0,&H12 |
| <b>Ende</b>   | 0 | 1 | 1 | &HFB | &HFD |               |           |                |                | Key_SHR_D  | &HE0,&H69,&HE0,&HF0,&H69                |
| <b>Entf</b>   | 0 | 1 | 1 | &HF7 | &HBF |               |           |                |                | Key_SHR_J  | &H12,&HE0,&H71,&HE0,&HF0,&H71,&HF0,&H12 |
| <b>Escape</b> | 1 | 1 | 1 | &HDF | &HEF |               |           |                |                | Key_ESC    | &H76,&HF0,&H76                          |
| <b>F</b>      | 1 | 0 | 1 | &HF7 | &HFD | Key_f_Make    | &H2B      | Key_f_Break    | &HF0,&H2B      |            |                                         |
| <b>f</b>      | 1 | 1 | 1 | &HF7 | &HFD | Key_f_Make    | &H2B      | Key_f_Break    | &HF0,&H2B      |            |                                         |
| <b>F1</b>     | 1 | 1 | 1 | &HDF | &HF7 |               |           |                |                | Key_F1     | &H05,&HF0,&H05                          |
| <b>F12</b>    | 0 | 1 | 1 | &HDF | &HEF |               |           |                |                | Key_F12    | &H07,&HF0,&H07                          |
| <b>F2</b>     | 1 | 1 | 1 | &HDF | &HFB |               |           |                |                | Key_F2     | &H06,&HF0,&H06                          |
| <b>F3</b>     | 1 | 1 | 1 | &HDF | &HFD |               |           |                |                | Key_F3     | &H04,&HF0,&H04                          |
| <b>F4</b>     | 1 | 1 | 1 | &HDF | &HFE |               |           |                |                | Key_F4     | &H0C,&HF0,&H0C                          |
| <b>G</b>      | 1 | 0 | 1 | &HEF | &HFD | Key_g_Make    | &H34      | Key_g_Break    | &HF0,&H34      |            |                                         |
| <b>g</b>      | 1 | 1 | 1 | &HEF | &HFD | Key_g_Make    | &H34      | Key_g_Break    | &HF0,&H34      |            |                                         |
| <b>H</b>      | 1 | 0 | 1 | &HEF | &HBF | Key_h_Make    | &H33      | Key_h_Break    | &HF0,&H33      |            |                                         |
| <b>h</b>      | 1 | 1 | 1 | &HEF | &HBF | Key_h_Make    | &H33      | Key_h_Break    | &HF0,&H33      |            |                                         |
| <b>I</b>      | 1 | 0 | 1 | &HFB | &HDF | Key_i_Make    | &H43      | Key_i_Break    | &HF0,&H43      |            |                                         |
| <b>i</b>      | 1 | 1 | 1 | &HFB | &HDF | Key_i_Make    | &H43      | Key_i_Break    | &HF0,&H43      |            |                                         |
| <b>J</b>      | 1 | 0 | 1 | &HF7 | &HBF | Key_j_Make    | &H3B      | Key_j_Break    | &HF0,&H3B      |            |                                         |
| <b>j</b>      | 1 | 1 | 1 | &HF7 | &HBF | Key_j_Make    | &H3B      | Key_j_Break    | &HF0,&H3B      |            |                                         |
| <b>K</b>      | 1 | 0 | 1 | &HFB | &HBF | Key_k_Make    | &H42      | Key_k_Break    | &HF0,&H42      |            |                                         |
| <b>k</b>      | 1 | 1 | 1 | &HFB | &HBF | Key_k_Make    | &H42      | Key_k_Break    | &HF0,&H42      |            |                                         |

|               |   |   |   |      |      |                |           |                 |                |           |                          |
|---------------|---|---|---|------|------|----------------|-----------|-----------------|----------------|-----------|--------------------------|
| <b>L</b>      | 1 | 0 | 1 | &HFD | &HBF | Key_l_Make     | &H4B      | Key_l_Break     | &HF0,&H4B      |           |                          |
| <b>l</b>      | 1 | 1 | 1 | &HFD | &HBF | Key_l_Make     | &H4B      | Key_l_Break     | &HF0,&H4B      |           |                          |
| <b>Left</b>   | 1 | 1 | 1 | &HFE | &HBF | Key_Left_Make  | &HE0,&H6B | Key_Left_Break  | &HE0,&HF0,&H6B |           |                          |
| <b>M</b>      | 1 | 0 | 1 | &HFB | &H7F | Key_m_Make     | &H3A      | Key_m_Break     | &HF0,&H3A      |           |                          |
| <b>m</b>      | 1 | 1 | 1 | &HFB | &H7F | Key_m_Make     | &H3A      | Key_m_Break     | &HF0,&H3A      |           |                          |
| <b>N</b>      | 1 | 0 | 1 | &HF7 | &H7F | Key_n_Make     | &H31      | Key_n_Break     | &HF0,&H31      |           |                          |
| <b>n</b>      | 1 | 1 | 1 | &HF7 | &H7F | Key_n_Make     | &H31      | Key_n_Break     | &HF0,&H31      |           |                          |
| <b>O</b>      | 1 | 0 | 1 | &HFD | &HDF | Key_o_Make     | &H44      | Key_o_Break     | &HF0,&H44      |           |                          |
| <b>o</b>      | 1 | 1 | 1 | &HFD | &HDF | Key_o_Make     | &H44      | Key_o_Break     | &HF0,&H44      |           |                          |
| <b>P</b>      | 1 | 0 | 1 | &HFE | &HDF | Key_p_Make     | &H4D      | Key_p_Break     | &HF0,&H4D      |           |                          |
| <b>p</b>      | 1 | 1 | 1 | &HFE | &HDF | Key_p_Make     | &H4D      | Key_p_Break     | &HF0,&H4D      |           |                          |
| <b>Pos1</b>   | 0 | 1 | 1 | &HF7 | &HFD |                |           |                 |                | Key_SHR_F | &HE0,&H6C,&HE0,&HF0,&H6C |
| <b>Q</b>      | 1 | 0 | 1 | &HFE | &HFB | Key_q_Make     | &H15      | Key_q_Break     | &HF0,&H15      |           |                          |
| <b>q</b>      | 1 | 1 | 1 | &HFE | &HFB | Key_q_Make     | &H15      | Key_q_Break     | &HF0,&H15      |           |                          |
| <b>R</b>      | 1 | 0 | 1 | &HF7 | &HFB | Key_r_Make     | &H2D      | Key_r_Break     | &HF0,&H2D      |           |                          |
| <b>r</b>      | 1 | 1 | 1 | &HF7 | &HFB | Key_r_Make     | &H2D      | Key_r_Break     | &HF0,&H2D      |           |                          |
| <b>Return</b> | 1 | 1 | 1 | &HFE | &H7F |                |           |                 |                | Key_RET   | &H5A,&HF0,&H5A           |
| <b>Right</b>  | 1 | 1 | 1 | &HDF | &HBF | Key_Right_Make | &HE0,&H74 | Key_Right_Break | &HE0,&HF0,&H74 |           |                          |
| <b>S</b>      | 1 | 0 | 1 | &HFD | &HFD | Key_s_Make     | &H1B      | Key_s_Break     | &HF0,&H1B      |           |                          |
| <b>s</b>      | 1 | 1 | 1 | &HFD | &HFD | Key_s_Make     | &H1B      | Key_s_Break     | &HF0,&H1B      |           |                          |
| <b>Space</b>  | 1 | 1 | 1 | &HFD | &H7F |                |           |                 |                | Key_SP    | &H29,&HF0,&H29           |
| <b>T</b>      | 1 | 0 | 1 | &HEF | &HFB | Key_t_Make     | &H2C      | Key_t_Break     | &HF0,&H2C      |           |                          |
| <b>t</b>      | 1 | 1 | 1 | &HEF | &HFB | Key_t_Make     | &H2C      | Key_t_Break     | &HF0,&H2C      |           |                          |
| <b>TAB</b>    | 0 | 1 | 1 | &HFD | &HFD |                |           |                 |                | Key_SHR_S | &H0D,&HF0,&H0D           |
| <b>U</b>      | 1 | 0 | 1 | &HF7 | &HDF | Key_u_Make     | &H3C      | Key_u_Break     | &HF0,&H3C      |           |                          |
| <b>u</b>      | 1 | 1 | 1 | &HF7 | &HDF | Key_u_Make     | &H3C      | Key_u_Break     | &HF0,&H3C      |           |                          |
| <b>Up</b>     | 1 | 1 | 1 | &HDF | &HDF | Key_Up_Make    | &HE0,&H75 | Key_Up_Break    | &HE0,&HF0,&H75 |           |                          |
| <b>V</b>      | 1 | 0 | 1 | &HEF | &HFE | Key_v_Make     | &H2A      | Key_v_Break     | &HF0,&H2A      |           |                          |

|          |   |   |   |      |      |            |      |             |           |  |  |
|----------|---|---|---|------|------|------------|------|-------------|-----------|--|--|
| <b>v</b> | 1 | 1 | 1 | &HEF | &HFE | Key_v_Make | &H2A | Key_v_Break | &HF0,&H2A |  |  |
| <b>W</b> | 1 | 0 | 1 | &HFD | &HFB | Key_w_Make | &H1D | Key_w_Break | &HF0,&H1D |  |  |
| <b>w</b> | 1 | 1 | 1 | &HFD | &HFB | Key_w_Make | &H1D | Key_w_Break | &HF0,&H1D |  |  |
| <b>X</b> | 1 | 0 | 1 | &HFB | &HFE | Key_x_Make | &H22 | Key_x_Break | &HF0,&H22 |  |  |
| <b>x</b> | 1 | 1 | 1 | &HFB | &HFE | Key_x_Make | &H22 | Key_x_Break | &HF0,&H22 |  |  |
| <b>Y</b> | 1 | 0 | 1 | &HFD | &HFE | Key_y_Make | &H1A | Key_y_Break | &HF0,&H1A |  |  |
| <b>y</b> | 1 | 1 | 1 | &HFD | &HFE | Key_y_Make | &H1A | Key_y_Break | &HF0,&H1A |  |  |
| <b>Z</b> | 1 | 0 | 1 | &HEF | &HDF | Key_z_Make | &H35 | Key_z_Break | &HF0,&H35 |  |  |
| <b>z</b> | 1 | 1 | 1 | &HEF | &HDF | Key_z_Make | &H35 | Key_z_Break | &HF0,&H35 |  |  |