

Uniden SSE17 LCD initialisation sequence

v1.0 6 Dec 2018

Phone was manufactured about 2008.

Display is a graphics module, 132 by 48 pixels

The main alphanumeric font used is 6x16 pixels (including inter-character space pixels). The display is logically divided into two sections, the left 36 columns, and the right 96 columns. In the left section the number of messages stored is depicted by a 7 segment numeric font emulation, 16x32 pixels

LCD initialisation:

A2 A0 C8 23 81 34 2F A6

A2 LCD Bias Set
A0 ADC Select - Normal
C8 Common output mode select - Reverse
23 V5 regulator ratio
81 34 Contrast set
2F Power control set
A6 Display normal/reverse – normal

D5 00 EE D2 00 A4 AD 00 AC 40

D5 00
EE Clear read-modify-write
D2 00
A4 Display all points - OFF
AD 00 Static indicator - ON, Display state = OFF (no blinking)
AC Static indicator - OFF
40 Display start line set - 0x00

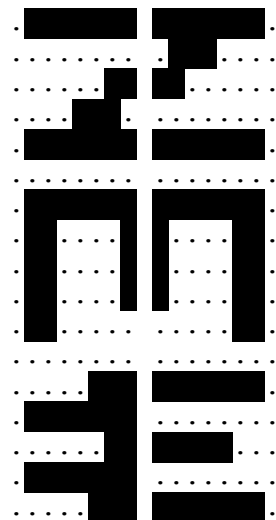
B0 10 00 Page Address Set - Cursor(0,0x00)

00 00 00 00 00 00 00 00 FE 70 C0 00 FE 00 FE 86 86 86 06 00 FE 00 F8 00 FE 00 00
00 00 00 00 00 00 00 00 00

B1 10 00 Page Address Set - Cursor(1,0x00)

00 00 00 00 00 00 00 00 7F 00 03 0E 7F 00 7F 61 61 61 60 00 07 7F 03 7F 07 00 00
00 00 00 00 00 00 00 00 00

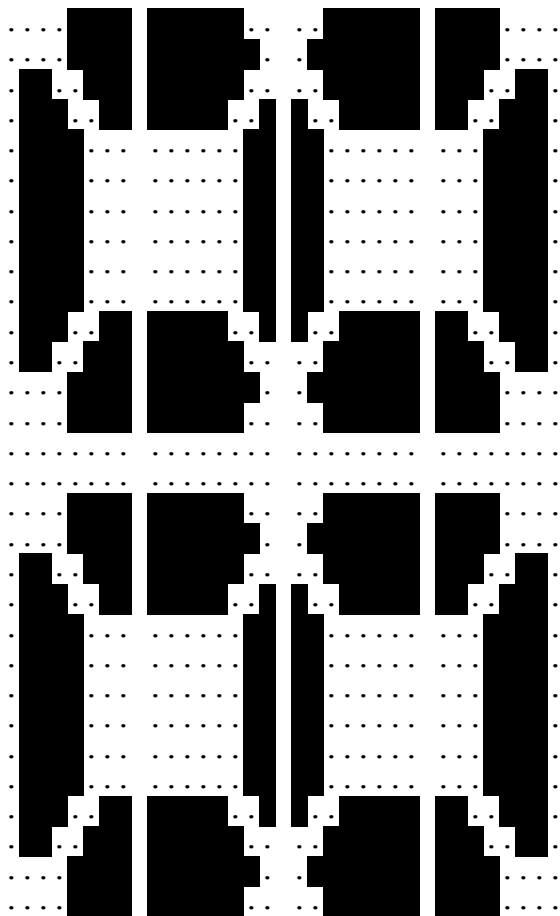
" NEW "



```

B2 10 00      Page Address Set - Cursor(2,0x00)
00 F0 F0 E6 CE 1E 1E 1E 1E 1E 1E CE E6 F0 F0 00 00 F0 F0 E6 CE 1E 1E 1E 1E 1E
CE E6 F0 F0 00 00 00 00
B3 10 00      Page Address Set - Cursor(3,0x00)
00 3F 7F 3F 9F C0 C0 C0 C0 C0 9F 3F 7F 3F 00 00 3F 7F 3F 9F C0 C0 C0 C0 C0
9F 3F 7F 3F 00 00 00 00
B4 10 00      Page Address Set - Cursor(4,0x00)
00 FC FE FC F9 03 03 03 03 03 03 F9 FC FE FC 00 00 FC FE FC F9 03 03 03 03 03
F9 FC FE FC 00 00 00 00
B5 10 00      Page Address Set - Cursor(5,0x00)
00 0F 0F 67 73 78 78 78 78 78 73 67 0F 0F 00 00 0F 0F 67 73 78 78 78 78 78
73 67 0F 0F 00 00 00 00
"88 "

```



```

D2 00 A4 AD 00 AC 40
D2 00
A4      Display all points - OFF
AD 00   Static indicator - ON, Display state = OFF (no blinking)
AC      Static indicator - OFF
40      Display start line set - 0x00

```

```

B0 12 04      Page Address Set - Cursor(0,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FE 00
F8 00 FE 00 C0 60 60 60 C0 00 00 00 06 FE 00 00 C0 60 60 60 C0 00 C0 60 60 60 C0

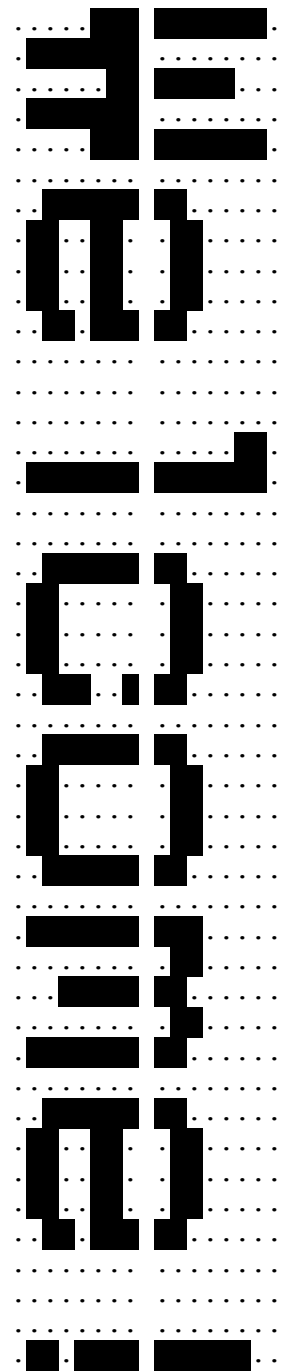
```

00 E0 60 C0 60 C0 00 C0 60 60 60 C0 00 00 00 FC 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B1 12 04 Page Address Set - Cursor(1,0x24)

00 07 7F
03 7F 07 00 3F 66 66 66 37 00 00 00 00 7F 00 00 3F 60 60 60 39 00 3F 60 60 60 3F
00 7F 00 1F 00 7F 00 3F 66 66 66 37 00 00 00 6F 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

" Welcome! "



B2 12 04 Page Address Set - Cursor(2,0x24)
00 00 00 00 00 00 00 FE 86 86 86 FC 00 00 00 06 FE 00 00 C0 60 60 60 C0 00 C0 60
60 60 C0 00 C0 60 60 60 C0 00 C0 60 60 60 C0 00 00 00 00 00 00 FE 00 F8 00 FE
00 C0 60 60 60 C0 00 00 00 E6 00 00 00 60 FE 60 60 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B3 12 04 Page Address Set - Cursor(3,0x24)
00 00 00 00 00 00 00 7F 01 01 01 00 00 00 00 00 7F 00 00 3F 66 66 66 37 00 3C 66
66 66 7F 00 31 62 66 64 38 00 3F 66 66 66 37 00 00 00 00 00 00 00 07 7F 03 7F 07
00 3C 66 66 66 7F 00 00 00 7F 00 00 00 00 3F 60 60 00 00 00 00 60 60 00 00 00 00
60 60 00 00 00 00 60 60 00 00 00 00 00 00 00

" Please Wait... "

B4 12 04 Page Address Set - Cursor(4,0x24)
00
00
00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B5 12 04 Page Address Set - Cursor(5,0x24)
00
00
00
00 00

" "

AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40
AF Display ON
F0
A2 CD Bias Set
A0 ADC Select - Normal
C8 Common output mode select - Reverse
23 V5 regulator ratio
81 34 Contrast set
2F Power control set
A6 Display normal/reverse - normal
D5 00
EE Clear read-modify-write
D2 00
A4 Display all points - OFF
AD 00 Static indicator - ON, Display state = OFF (no blinking)
AC Static indicator - OFF
40 Display start line set - 0x00

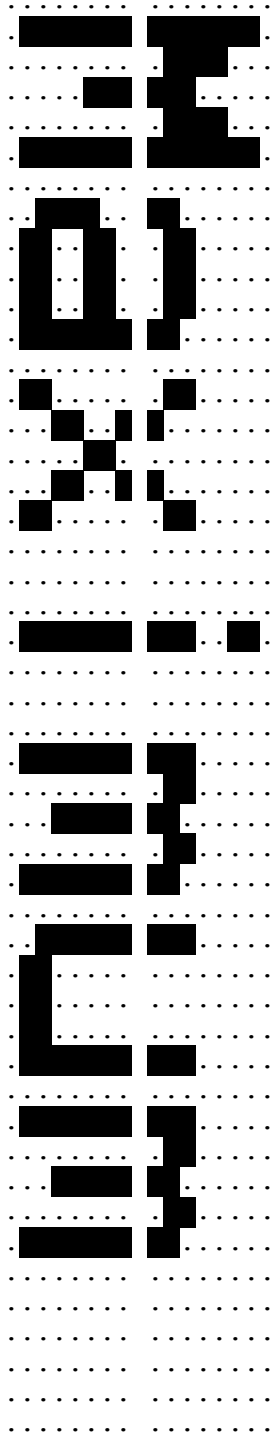
B0 10 00 Page Address Set - Cursor(0,0x00)
00
00 00 00 00 00 00 00 00 00

B1 10 00 Page Address Set - Cursor(1,0x00)
00
00 00 00 00 00 00 00 00 00

B2 10 00 Page Address Set - Cursor(2,0x00)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F0 F0 E0 C0 00 00 00 00 00 00
C0 E0 F0 F0 00 00 00 00 00

B3 10 00 Page Address Set - Cursor(3,0x00)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 3F 7F 3F 9F C0 C0 C0 C0 C0
9F 3F 7F 3F 00 00 00 00 00

B4 10 00 Page Address Set - Cursor(4,0x00)



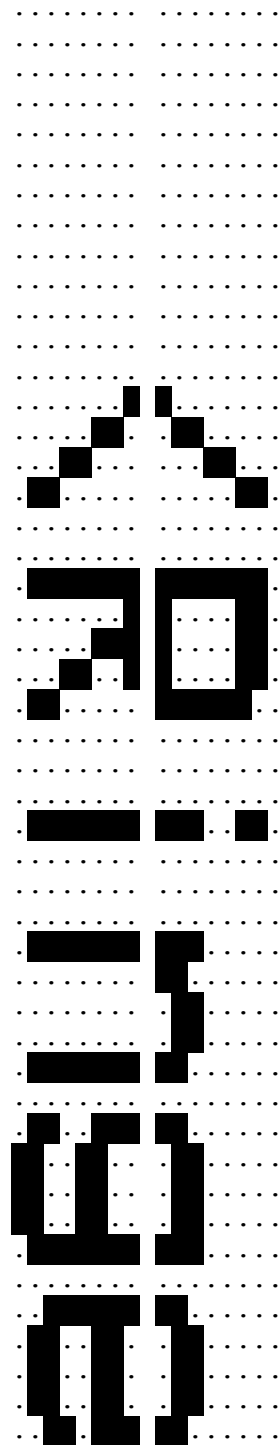
```

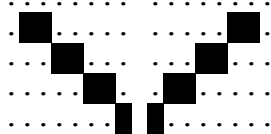
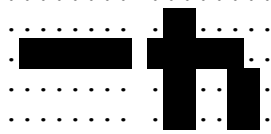
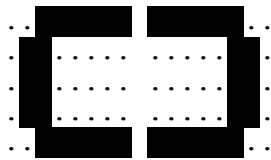
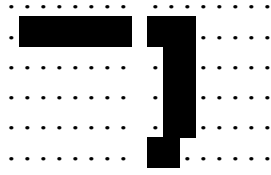
B4 12 04      Page Address Set - Cursor(4,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 80 60 18 06 00 00 FE 86 86 86 FC 00 00 00
E6 00 00 00 E0 C0 60 60 C0 00 C0 60 60 60 E0 00 C0 60 60 60 C0 00 E0 60 60 60 C0
00 00 00 00 00 00 00 FC 06 06 06 FC 00 60 FC 66 66 00 00 60 FC 66 66 00 00 06 18
60 80 00 00 00 00 00 00 00 00 00 00 00 00 00

B5 12 04      Page Address Set - Cursor(5,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 01 06 18 60 00 00 7F 01 07 19 60 00 00 00
7F 00 00 00 7F 00 00 00 7F 00 67 CC CC CC 7F 00 3F 66 66 66 37 00 7F 00 00 00 00
00 00 00 00 00 00 00 3F 60 60 60 3F 00 00 7F 00 00 00 00 00 7F 00 00 00 00 60 18
06 01 00 00 00 00 12+00 00 00 00 00 00 00 00 00

" <Ringer Off>: "

```





AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40

AF Display ON
F0
A2 LCD Bias Set
A0 ADC Select - Normal
C8 Common output mode select - Reverse
23 V5 regulator ratio
81 34 Contrast set
2F Power control set
A6 Display normal/reverse - normal
D5 00
EE Clear read-modify-write
D2 00
A4 Display all points - OFF
AD 00 Static indicator - ON, Display state = OFF (no blinking)
AC Static indicator - OFF
40 Display start line set - 0x00

B0 10 00 Page Address Set - Cursor(0,0x00)

00
00 00 00 00 00 00 00 00 00

B1 10 00 Page Address Set - Cursor(1,0x00)

00
00 00 00 00 00 00 00 00 00

B2 10 00 Page Address Set - Cursor(2,0x00)

00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 F0 F0 E0 C0 00 00 00 00 00 00
C0 E0 F0 F0 00 00 00 00 00

B3 10 00 Page Address Set - Cursor(3,0x00)

00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 3F 7F 3F 9F C0 C0 C0 C0 C0 C0
9F 3F 7F 3F 00 00 00 00 00

B4 10 00 Page Address Set - Cursor(4,0x00)

00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 03 03 03 03 03 03
F9 FC FE FC 00 00 00 00 00

B5 10 00 Page Address Set - Cursor(5,0x00)

00
03 07 0F 1F 00 00 00 00 00

" 4 "

AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40

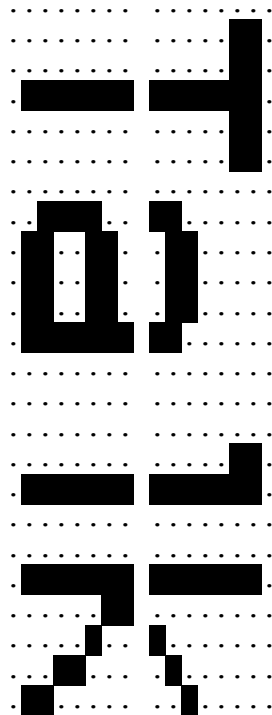
AF Display ON
F0
A2 LCD Bias Set
A0 ADC Select - Normal
C8 Common output mode select - Reverse
23 V5 regulator ratio
81 34 Contrast set
2F Power control set
A6 Display normal/reverse - normal
D5 00
EE Clear read-modify-write
D2 00
A4 Display all points - OFF
AD 00 Static indicator - ON, Display state = OFF (no blinking)
AC Static indicator - OFF
40 Display start line set - 0x00

" 4 "

```
AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40
AF          Display ON
F0
A2          LCD Bias Set
A0          ADC Select - Normal
C8          Common output mode select - Reverse
23          V5 regulator ratio
81 34      Contrast set
2F          Power control set
A6          Display normal/reverse - normal
D5 00
EE          Clear read-modify-write
D2 00
A4          Display all points - OFF
AD 00      Static indicator - ON, Display state = OFF (no blinking)
AC          Static indicator - OFF
40          Display start line set - 0x00
```

```
B0 12 04   Page Address Set - Cursor(0,0x24)
00 06 06 FE 06 06 00 C0 60 60 60 C0 00 00 00 06 FE 00 00 FE 00 80 40 20 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
B1 12 04   Page Address Set - Cursor(1,0x24)
00 00 00 7F 00 00 00 3C 66 66 66 7F 00 00 00 00 7F 00 00 7F 03 04 18 60 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
```

"Talk"



```

B2 12 04    Page Address Set - Cursor(2,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B3 12 04    Page Address Set - Cursor(3,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B4 12 04    Page Address Set - Cursor(4,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B5 12 04    Page Address Set - Cursor(5,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
"          "
"          "

```

```

AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40
AF          Display ON
F0
A2          LCD Bias Set
A0          ADC Select - Normal
C8          Common output mode select - Reverse
23          V5 regulator ratio
81 34      Contrast set
2F          Power control set
A6          Display normal/reverse - normal
D5 00
EE          Clear read-modify-write
D2 00
A4          Display all points - OFF
AD 00      Static indicator - ON, Display state = OFF (no blinking)
AC          Static indicator - OFF
40          Display start line set - 0x00

```

```

B0 12 04    Page Address Set - Cursor(0,0x24)
00 06 06 FE 06 06 00 C0 60 60 60 C0 00 00 00 06 FE 00 00 FE 00 80 40 20 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FC 06 86 66 FC 00 00 30
30 00 00 00 FC 06 86 66 FC 00 FC 06 86 66 FC

B1 12 04    Page Address Set - Cursor(1,0x24)
00 00 00 7F 00 00 00 3C 66 66 66 7F 00 00 00 00 7F 00 00 7F 03 04 18 60 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 3F 66 61 60 3F 00 00 0C
0C 00 00 00 3F 66 61 60 3F 00 3F 66 61 60 3F

B2 12 04    Page Address Set - Cursor(2,0x24)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

B3 12 04    Page Address Set - Cursor(3,0x24)

```

00
00
00
00 00

B4 12 04 Page Address Set - Cursor(4,0x24)

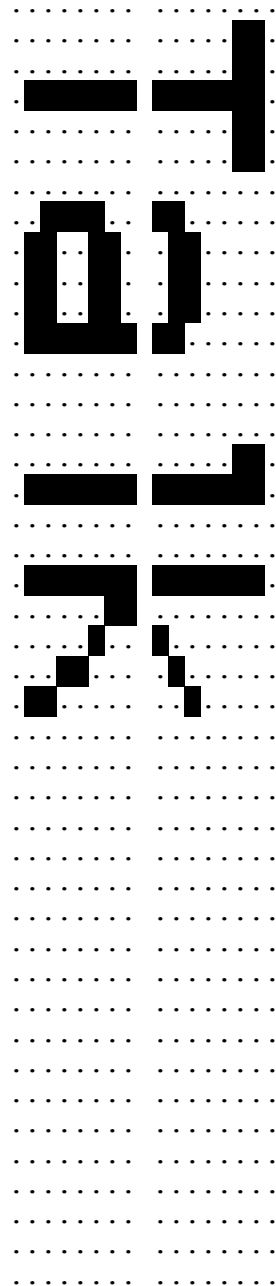
00
00
00
00 00

B5 12 04 Page Address Set - Cursor(5,0x24)

00
00
00
00 00

"Talk 0:00"

" "



AF F0 A2 A0 C8 23 81 34 2F A6 D5 00 EE D2 00 A4 AD 00 AC 40

AF Display ON
F0
A2 LCD Bias Set
A0 ADC Select - Normal
C8 Common output mode select - Reverse
23 V5 regulator ratio
81 34 Contrast set
2F Power control set
A6 Display normal/reverse - normal
D5 00
EE Clear read-modify-write
D2 00
A4 Display all points - OFF
AD 00 Static indicator - ON, Display state = OFF (no blinking)
AC Static indicator - OFF
40 Display start line set - 0x00

B0 12 04 Page Address Set - Cursor(0,0x24)
00 06 06 FE 06 06 00 C0 60 60 60 C0 00 00 00 06 FE 00 00 FE 00 80 40 20 00 00 00
00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FC 06 86 66 FC 00 00 30
30 00 00 00 FC 06 86 66 FC 00 00 0C FE 00 00

B1 12 04 Page Address Set - Cursor(1,0x24)
00 00 00 7F 00 00 00 3C 66 66 66 7F 00 00 00 00 7F 00 00 7F 03 04 18 60 00 00 00
00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 3F 66 61 60 3F 00 00 0C
0C 00 00 00 3F 66 61 60 3F 00 00 60 7F 60 00

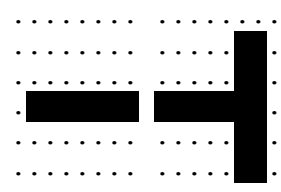
B2 12 04 Page Address Set - Cursor(2,0x24)
00 00
00 00
00 00
00 00

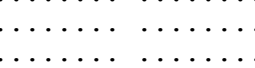
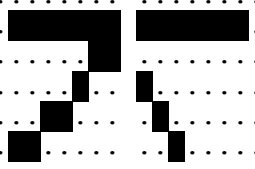
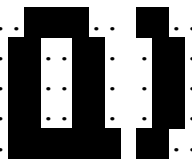
B3 12 04 Page Address Set - Cursor(3,0x24)
00 00
00 00
00 00
00 00

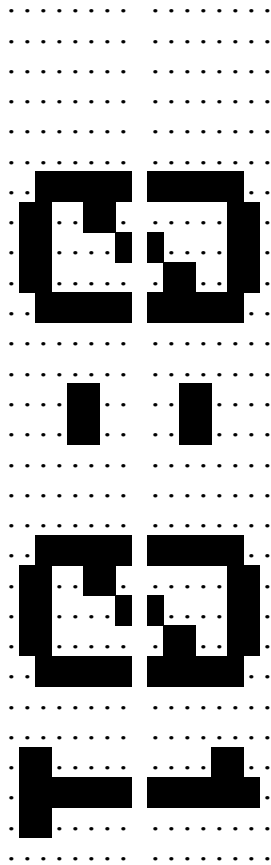
B4 12 04 Page Address Set - Cursor(4,0x24)
00 00
00 00
00 00
00 00

B5 12 04 Page Address Set - Cursor(5,0x24)
00 00
00 00
00 00
00 00

"Talk 0:01"
" "
" "







AF