



kBeacon Instructions - firmware version 28

Default password is "567400",
KOPI00 from the phone's dial pad if it helps you remember.

You can administrate various settings with the Lightblue tool from app store.

0xFFB1 – 4 bytes - Manufacturer address. (DO NOT CHANGE)

0xFFB2 – 16 bytes - UUID do NOT enter "-"

Need to test if it crashes beacon.

0xFFB3 – 2 bytes Major

Pending example

0xFFB4 – 2 bytes Minor

Pending example

0xFFB5 – 1byte TX calibration value - this is the factory calibration value (DO NOT CHANGE),

0xFFB6 – min Advertisement interval

0xFFB7 – max Advertisement interval

Set both to be the same value, firmware only sets it at the max interval. Broken into a range only for future proof.

100ms – 0x00A0 (100ms = 160)

200ms – 0x0140

300ms – 0x01E0

400ms – 0x0280

500ms – 0x0320

600ms – 0x03C0

700ms – 0x0460

800ms – 0x0500 (Default)

900ms – 0x05A0

1000ms – 0x0640

0xFFB8 – Device Type (DO NOT CHANGE)

0xFFB9 – 4 bytes password

Pending example

0xFFBA – Connection Count (read only)

0xFFBB – Boot Counter (read only)

0xFFBC – 10 bytes - Device name change (DO NOT CHANGE)

0xFFBD - 1 byte Connection timeout in minutes (DO NOT CHANGE)

0xFFBE – 1byte Transmit power (DO NOT CHANGE)

0xE1 0 dBm (Default)

0xD1 -2 dBm

0xC1 -4 dBm

0xB1 -6 dBm

0xA1 -8 dBm
0x91 -10 dBm
0x81 -12 dBm
0x71 -14 dBm
0x61 -16 dBm
0x51 -18 dBm
0x41 -20 dBm
0x31 -23 dBm

0xFFBF - 4bytes Traffic counter (for kCounter only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment