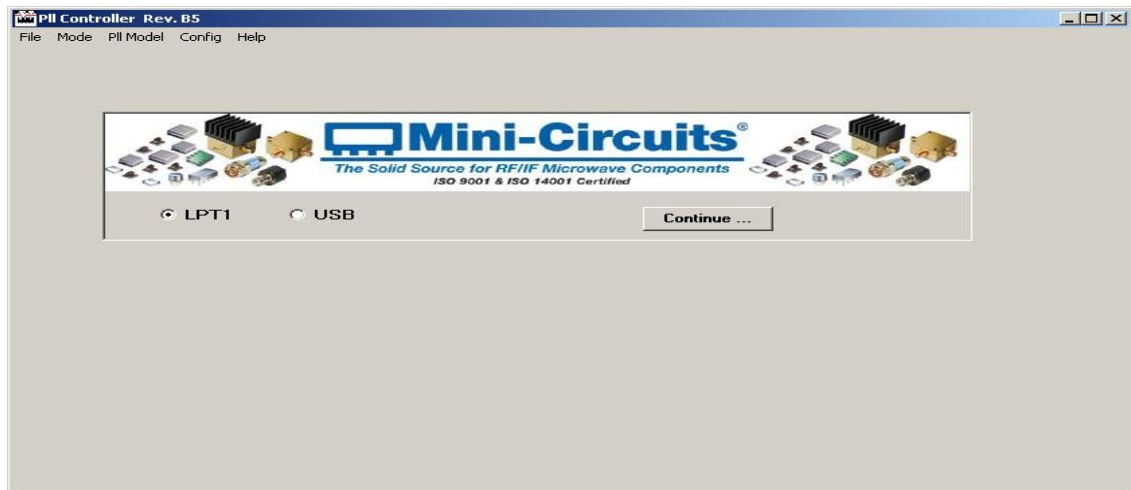


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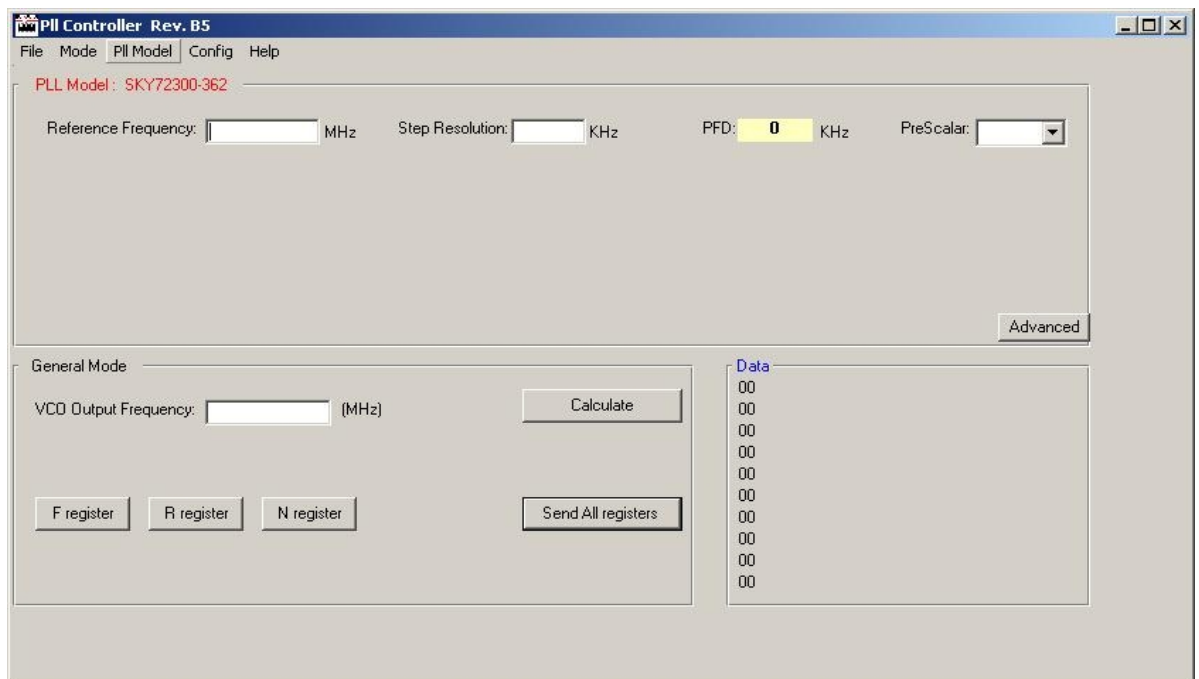
PLL control User Guide for SKY-72300

1. Run The program



2. Choose LPT1 or USB (need a special adapter) , Click continue

3. From Menu -> Pll Model , Choose SKY-72300-362



4. Click Advanced and insert data as described in picture . For file – browse to cd , folder SKY and choose SKY72300.txt.

The screenshot shows the 'PII Controller Rev. B5' software window. The 'Advanced' tab is selected, displaying configuration fields for the 'SKY72300-362' device. The fields are as follows:

- Main: Ref Div Value (1 to 32): 1
- Aux: Ref Div Value (1 to 32): 1
- Main: chrg pump (0 to 31): 19
- Aux: chrg pump (0 to 31): 31
- Power Down & Multiplexer Output Register: 0 1 1 1 X X 0 0 0 0 0 1 0 0 0 0
- Main: PS/Lock Detect: (button)
- Aux: PS/Lock Detect: (button)
- chrg pump from File: D:\SKY\SKY72300.txt
- Modulation Control Register: 1 0 0 0 X X 0 0 0 0 0 0 0 0 0 0
- Modulation Data Bits: 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0

Buttons include 'Browse' for the file path and 'Close' for the window. Below the configuration fields, the 'General Mode' section is visible, showing 'VCO Output Frequency' (MHz) and 'Calculate' button. At the bottom, there are buttons for 'F register', 'R register', 'N register', and 'Send All registers'. On the right, a 'Data' section displays a list of 16 '00' values.

Click on X or close .

5. Insert the PLL lock Data as described in the picture below

PLL Controller Rev. B5

File Mode PLL Model Config Help

PLL Model: SKY72300-362

Reference Frequency: 10 MHz Step Resolution: 10000 KHz PFD: 0 KHz PreScaler: 8/9

Advanced

General Mode

VCO Output Frequency: 930 (MHz) Calculate

F register R register N register Send All registers

Data

R0: 0000000000111101
R1: 0001000000000000
R2: 0010000000000000
R3: 0011000000000000
R4: 0100000000000000
R7: 0111000000010000
R8: 1000000000000000
R5: 0101000000000000
R6: 011001111010011
R9: 1001000000000000

Click calculate – To build registers

Click Send all registers – To lock the frequency .

For other options , Please read the readme file in the CD .