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# Welcome to the LibShift595Arduino wiki!

This library is intended to simply controlling cascaded 595 shift registers.

## Help:

**Shift595Arduino(int datapin, int clockpin, int latchpin, int nbregisters=1);**

```
/*
Shift Register allocation function:
- datapin: specifies the Arduino pin connected to the 595 data input
- clockpin: specifies the Arduino pin connected to the 595 clock input
- latchpin: specifies the Arduino pin connected to the 595 latch output
- nbregisters: specifies the number od cascadedd registers. Default is 1.

ex: Shift595Arduino myShiftRegister(2, 3, 4, 2);
*/
```

**boolean Setup();**

```
/*
Shift Register setup function:
  Inits the Arduino pins.
  This function must be called in the setup()
  function of the Arduino progam.

ex: myShiftRegister.Setup();
*/
```

**boolean OffRegister(int reg\_index); boolean OffAllRegisters(); boolean OnRegister(int reg\_index); boolean OnAllRegisters();**

**boolean OnSingleRegister(int position, int reg\_index); boolean OnSingleAllRegisters(int position); boolean OnSingleEachRegisters(int position); boolean OffSingleRegister(int position, int reg\_index); boolean OffSingleAllRegisters(int position); boolean OffSingleEachRegisters(int position);**

**boolean OnSingleOnlyRegister(int position, int reg\_index); boolean OnSingleOnlyAllRegisters(int position); boolean OnSingleOnlyEachRegisters(int position); boolean OffSingleOnlyRegister(int position, int reg\_index); boolean OffSingleOnlyAllRegisters(int position); boolean OffSingleOnlyEachRegisters(int position);**

**boolean ShiftLeftRegister(boolean circular, int reg\_index); boolean ShiftLeftAllRegisters(boolean circular); boolean ShiftLeftEachRegisters(boolean circular);**

**boolean ShiftRightRegister(boolean circular, int reg\_index); boolean ShiftRightAllRegisters(boolean circular); boolean ShiftRightEachRegisters(boolean circular);**


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boolean NegateRegister(int reg\_index); boolean NegateAllRegisters();

boolean Update(); boolean Blink(int iter, int delay\_val); boolean TestSequence();

boolean verbose; boolean auto\_update; int update\_delay;

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