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1300 NE Henley Court, Suite 3  
Pullman, WA 99163  
(509) 334 6306 Voice | (509) 334 6300 Fax

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## Using the Basic IO libraries

The chipKIT Basic IO Libraries are 3<sup>rd</sup> party libraries for using the Basic IO with the chipKIT boards within MPIDE. As with most third party libraries to install the IOShield libraries you should create a folder in your MPIDE sketches folder called 'libraries', and copy the three library folders provided in this package into the libraries folder. Once this is done restart MPIDE to ensure that the new libraries are found by MPIDE.

When using the IOShieldTemp and the IOShieldEEPROM libraries your sketch should also include the Wire library to provide communication between the ChipKit board and the Basic IO. A line like the following should appear in the main source file of the sketch:

```
#include <Wire.h>
```

Users of the Max32 board should note that to use devices that require the Wire library they must connect the SCL (pin 20) and SDA (pin 21) pins on the Max32 to the SDA and SCL pins on J11 of the Basic IO.

Documentation and examples for the libraries provided as part of this package can be found within the folder of each library.