

# installation

## ***Hardware Requirements***

To use the blunderbus system you will need the following hardware components:

- Arduino Diecimila 328 with Wifi Shield, Async Labs Black Widow or Yellow Jacket.
- Sensors or output devices compatible with Arduino micro-controllers.
- iPhone or compatible mobile device.
- Wifi Router-take note of network name and password

## ***Software Requirements***

You will need the following software items installed on your computer to setup the blunderbus toolset:

Arduino Development Environment- For installation information goto:

<http://arduino.cc/en/Guide/HomePage>

WiShield Libray for Arduino- For installation information goto:

<http://asynclabs.com/wiki>

FTPclient - Fetch, Filezilla, FireFTP etc.

Text Editor - TextEdit, NotePad, BBEdit, TextWrangler, TexPad etc.

## ***Hosting Requirements***

You will need to have hosting that fulfills the following requirement in order to use the blunderbus system:

PHP 5.x

Dedicated IP Address- contact your hosting provider to get a dedicated IP

MySQL Database- start a new database and record the host, username, database name, and password.

## ***Installation***

Once you have the above things worked out setting up blunderbus is a cinch. Just follow these easy steps:

1. Download the installation package from [blunderbus.studioKMD.com](http://blunderbus.studioKMD.com)
2. Open the "Install on Server" folder and open the "class.database.php" file in your favorite text editor.
3. Insert your database information in to the marked fields and save your changes.
4. Open your FTP clients and start a new directory named "blunderbus". Upload the contents of the "Install on Server" folder into the directory.
5. Open your web browser and direct it to "yourdomain.com/blunderbus/createTable.php"
6. If "Good to go!" is displayed delete the "createTable.php" file from your server.
7. You can now visit "yourdomain.com/blunderbus.php" and see a test sensor.
8. Reference the sample arduino code included in the package to begin a new project.