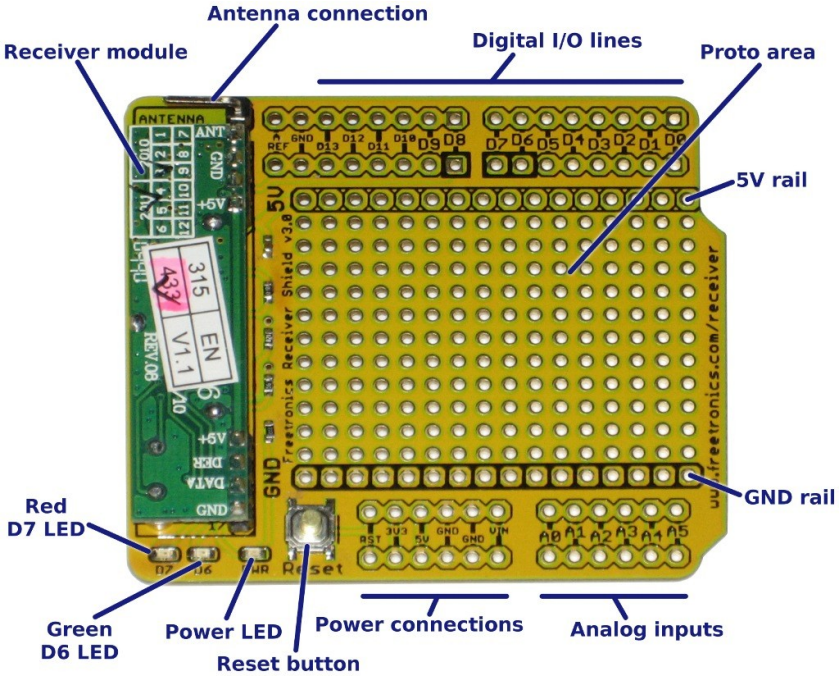
ASK Receiver Shield (315MHz or 433MHz)

www.freetronics.com/receiver

The ASK Receiver Shield gives your Arduino the ability to receive and decode radio signals transmitted on the unlicensed 315MHz or 433MHz band (depending on model) using ASK (Amplitude Shift Keying) or OOK (On-Off Keying) modulation. ASK signals at these frequencies are very commonly used by consumer electronics devices including weather stations, power consumption meters, security systems, and home automation controllers.



This shield implements the same circuit as the "Weather Station Receiver" project documented in the book *Practical Arduino*, so it will work perfectly with the example software in that project. You can learn more about it at:

www.practicalarduino.com/projects/weather-station-receiver

Specifications

Tuned frequency:	315MHz or 433.92MHz, depending on model
Sensitivity:	-110dBm
Data connection:	D8
Red status LED:	D7 (active high)
Green status LED:	D6 (active high)

Hardware Setup

1. The shield is provided without any headers installed so that you can decide whether you want to use regular headers or stackable headers. Follow the instructions on our website to install whichever type you prefer:
www.freetronics.com/soldering-shield-headers.
2. Fit the ASK Receiver Shield to your Arduino.
3. Connect the antenna.

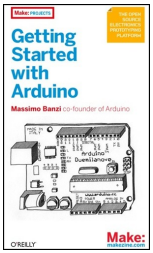
Software Setup

There are a variety of projects available to suit this shield. You can find details referenced at:
www.freetronics.com/receiver.

Support

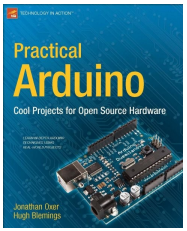
For assistance see **www.freetronics.com/support** or email **support@freetronics.com**. For general Arduino support please see **www.arduino.cc/forum**.

Arduino Books



Getting Started With Arduino by Massimo Banzi

A gently introduction to using your Arduino for the first time: how to connect it up, load programs onto it, and do some basic experiments to give you a feel for how it works. Great introduction for the first-time Arduino user. 128 pages.
www.oreilly.com/pub/pr/2115



Practical Arduino by Jonathan Oxer and Hugh Blemings

Taking you far beyond the basics, this book blends theory and practice by using example projects to illustrate some of the more advanced things you can do with Arduino and how to apply those concepts to your own designs. After working through this book you'll be very confident designing and building your own Arduino creations. 445 pages.
www.practicalarduino.com

About Freetronics

Freetronics is an Australian company created by Jonathan Oxer and Marc Alexander to provide easy access to hardware, parts, and products related to Arduino projects and the book ***Practical Arduino***. Learn more at **www.freetronics.com**. Follow us on Twitter at **twitter.com/freetronics**.