

RIDEAIR

RideAir is a portable compressed air pump, inflating the tyres with just the press of a button. When the RideAir is empty it can be easily refilled using any air compressor in any gas station. Its 650 ml aluminium air tank can hold up to 300psi (21bar) pressure, with a built-in dial gauge displaying its current pressure. When low air pressure is encountered either from natural seepage or from a

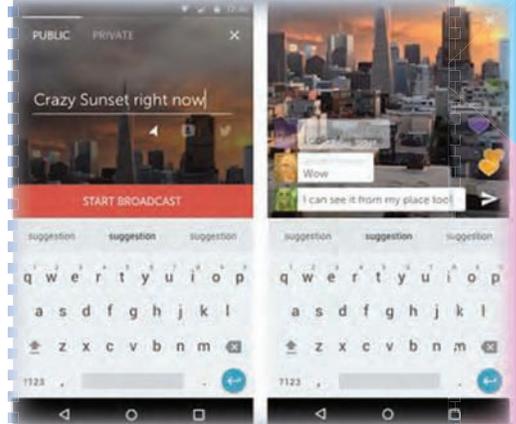
slow leak, simply connect the RideAir inflation tube to the tyre's inlet valve and press the inflation button. It takes just a few seconds to firm the tyre. The device is waterproof, weighs about one pound and is equipped with a built-in metal cable lock to secure RideAir and the bicycle when left unattended.

(thegadgetflow.com)



PERISCOPE

Periscope, a free app from twitter was debuted initially on iOS only. Now, it is available on Android devices running KitKat 4.4 software or newer. Periscope allows users to broadcast real time footage over the social network for others to watch and rate. Once a broadcast has ended, it



can still be viewed for the next 24 hours by default, although it can be deleted at any time or saved by the creator to their camera roll. There are some small differences between the iOS and Android versions. Android users can configure the app to push notifications when somebody they follow on Twitter broadcasts for the first time and also if somebody they are following shares somebody else's broadcast. Also, Android users will be able to resume watching broadcasts from where they left off, should you be interrupted by a phone call or message. (www.digitaltrends.com)

A TINY CHIP COMPUTER

CHIP is a new mini computer that aims to provide powerful hardware at just \$9. CHIP packs in a 1 GHz processor with 512MB of DDR3 RAM, is powerful enough to run real software, and handle the demands of a full GUI just as well as it handles attached hardware. It also runs mainline Linux, which means one can use the preinstalled applications, play games and add peripherals. In addition, CHIP comes with a micro USB port, USB, composite headphone/mic port, Wi-Fi and Bluetooth, and is powered by attaching a LiPo battery or through the micro USB. All this fits on a board measuring 1.5 in by 2.3 in (40 by 60 mm) and can be used as a regular PC, a media center and much more.

(microfabricator.com)



PHREEE BLUETOOTH SMARTPEN

Phree is a smart mobile input pen that can dial and answer the calls, send text messages and scribble on any virtual surface. The smartpen works by using an optical translation measurement (OTM) laser sensor by shooting a laser beam onto the writing surface. It then determines its relative position to a surface by tracking interruptions in the laser and converted the information into a motion signal and translated into digital doodles instantaneously. Phree is compatible with existing software such as EverNote, Google, Handwriting Keyboard and Adobe Systems Acrobat. It also features an OLED touch display and will connect to a smartphone, tablet, laptop or TV via Bluetooth.

(www.geek.com)



A NEW LENS TRANSFORMS SMARTPHONE INTO MICROSCOPE

Researchers have developed an optical lens that converts the camera of a smartphone into a microscope capable of 120x magnification. Each lens cost just three cents and is designed to fit on almost any smartphone. The lens is made from a polymer, polydimethylsiloxane (PDMS) with the consistency of honey, dropped precisely on a pre-warmed surface to harden it. It attaches directly to a lens of smartphone cameras without the requirement of any extra devices. The strong yet non-permanent adhesion between PDMS and glass allows the lens to be easily detached after use. The performance of this lens is comparable to that of the Olympus microscope operating at 100 times magnification.

(www.iflscience.com)



LINKA: AN AUTO-UNLOCKING LOCK

Linka is the world's first auto-unlocking smart security device that automatically unlocks as users get near their bike. It is hard mounted to the brake bridge, as long as holes are provided for the device to latch on to. The lock can reach around any wheel that is within 94 mm of the mounting hole. It secures the bike via a 9 mm thick steel ring that automatically slides into place when someone tries to steal the bike. With Linka, there is no need to carry a key. It connects with the smartphone via a Bluetooth and unlocks the bike as the user approaches his bike. It can also be unlocked by entering a code on the side of the lock. A 100 db siren is set off when the bike is moved without the phone nearby.

(www.telegraph.co.uk)



THE CENTINEL WHEEL

Centinel wheel is a dual motor bike wheel that turns a bicycle into an e-bike. The centinel contains an intelligent controller, dual motor, removable battery and duomo gears. The first wheel size of centinel to be



SOUNDHAWK

Soundhawk is a smart listening device designed to help people hear better in places like noisy restaurants or movie theaters. It works by increasing the strength of the sounds that users want to hear while de-emphasizing background noise. The system includes the scoop (earpiece), a charging case, a wireless microphone and the

soundhawk app. The hardware is made of soft-touch plastics and it all connects to smartphone via Bluetooth Low Energy. The earpiece works in conjunction with the soundhawk app which has four different listening modes (indoors, outdoors, driving and restaurants), each of which

customizes for brighter or fuller audio. The device is not meant for people with impaired hearing; instead it is classified as a personal sound amplification product.

(www.hearingreview.com)

manufactured is 26 inches. At the heart of the centinel is a microcontroller and two 180-watt motors that can be powered by a 24-volt 13-amp lithium ion battery that can also be taken out for charging. The wheel has an electronically limited speed of 16 mph and a range of 30 mph. With wireless Bluetooth 4.0 wheel it can communicate with mobile devices running Android or iOS and users can select the drive mode, view various statistics and monitor the level of battery charge. Every component is designed to be fitted into the three-spoke wheel so no need to worry about all the hassles involved with installing an electric bike conversion kit.

(www.trendhunter.com)