

NEW / HOT PRODUCTS!

ALL products in this folder are developed entirely by Velleman in Europe.

Only the highest standard components and production facilities are used.

For more detailed information and our complete range of developments see: vellemanprojects.com, velleman.eu and vellemanusa.com

RGB CONTROLLER

Small in size but big in performance. Can drive up to 3 times 3A / 12V lights bulbs, or dedicated LED strips, creating great color effects. Create you own mood or select a pre-programmed effect.

K8088



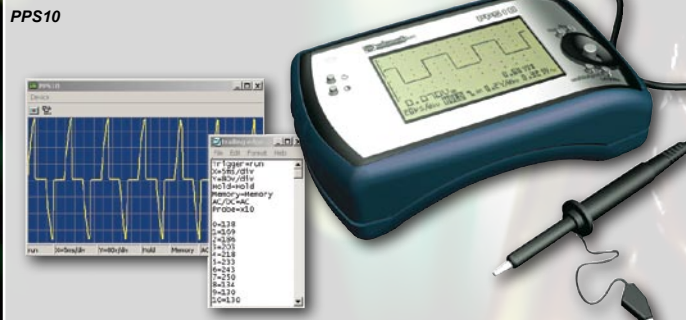
module version*: VM146



PERSONAL POCKET SCOPE

The world's most portable oscilloscope! Joystick control for true hand-held operation. Set all the functions using only your thumb. With RS232 interface for PC connectivity.

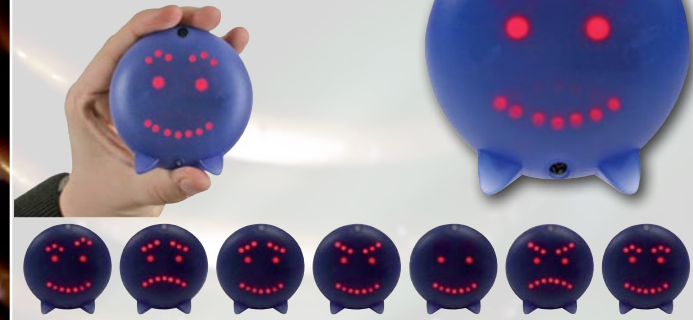
PPS10



ANIMATED LED SMILEY

Choose any smiley mood you want or let the animations roll. Great gadget! Low power consumption. Auto turn-off.

MK175



MULTIFUNCTIONAL DIMMER (300W @ 120VAC/600W @ 230VAC)

13 different functions: impulse switch, staircase light control, slow ON/OFF dimmer, interval timer, speed adjustment for fans...

K8028



module version*: VM101



POWER DIMMER, PUSH-BUTTON CONTROLLED (1KW @ 230VAC/500W @ 115VAC)

Powerful high-quality dimmer suitable for incandescent lamps, mains voltage halogen lighting and low-voltage halogen lighting in combination with a conventional (wire-wound) transformer.

K8038



ONE-CHANNEL DMX-CONTROLLED POWER DIMMER

DMX-controlled dimmer, suitable for resistive loads like incandescent lamps and mains voltage halogen lighting. System addressability: 512 unique addresses selectable with DIP switches.

K8039



DISCRETE 200W POWER AMPLIFIER

Powerful and reliable amplifier, just connect a suitable transformer! Heatsink not included.

K8060



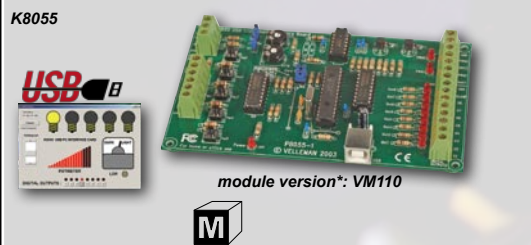
module version*: VM100
heatsink included



USB EXPERIMENT INTERFACE BOARD

Easy-to-use multipurpose interface board for PC with USB connection. On-board push buttons and LEDs for all digital inputs and outputs, analogue and PWM outputs. Test the supplied sample programs or make your own application using the supplied DLL. Great value!

K8055



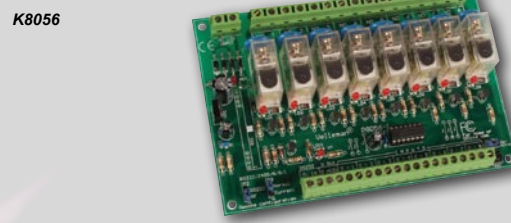
module version*: VM110



EIGHT-CHANNEL MULTIPURPOSE RELAY CARD

This relay card can be used in several ways: stand-alone card, addressed by switches or open collector outputs or remote-controlled through RS232. As an extra feature (add RX433), the card can be remote-controlled using our K8058 (VM118R) RF remote.

K8056



PIC™ PROGRAMMER AND EXPERIMENT BOARD

A useful aid for those who are eager to learn how to program PIC™ microcontrollers. Comes with push buttons and LEDs. There is no need to develop hardware, you can fully concentrate on the software.

K8048



module version*: VM111



EXTENDED USB INTERFACE BOARD

33 analogue, digital and PWM inputs and outputs - galvanic isolation from the computer!

K8061



module version*: VM140



USB-CONTROLLED DMX INTERFACE

Control your DMX fixtures using a PC and USB interface. Test software and DMX Light Player software is included. A DLL is also provided to write your own software. Stand-alone test function included (9V battery support inside).

K8062



module version*: VM116



2 MODULAR DIGITS WITH SERIAL INTERFACE

Modular display system to create custom 7-segment read-outs. Create larger read-outs for e.g. score-keeping, timing, counting... Easy platform-independent control via three-wire RS232 interface. 2 digits per kit supplied.

K8063



POCKET AUDIO GENERATOR (50HZ ~ 20KHZ IN 5 STEPS)

For service, repair, testing, education... Microprocessor technology; digital waveform generation, sine wave, burst mode and 32-bit digital noise.

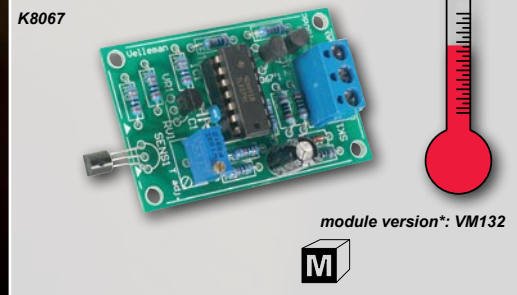
K8065



UNIVERSAL TEMPERATURE SENSOR

Range: -20 ~ +70°C (-4°F to +158°F), output: 0 ~ 20mA current loop, ideally suited for connection to our PC interface cards.

K8067



module version*: VM132



DIGITAL PANEL COUNTER MODULE

Mini counter. Can count up or down and activate an output when a preset value is reached. With auto reset option.

(available MID 2008)

VM147



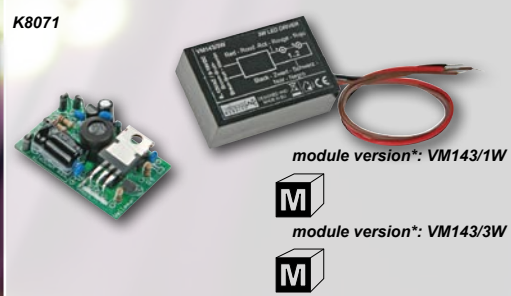
module version*



1W/3W HIGH-POWER LED DRIVER

Can drive up to four 1W power LEDs or two 3W power LEDs. Highly efficient switching circuit.

K8071



module version*: VM143/1W



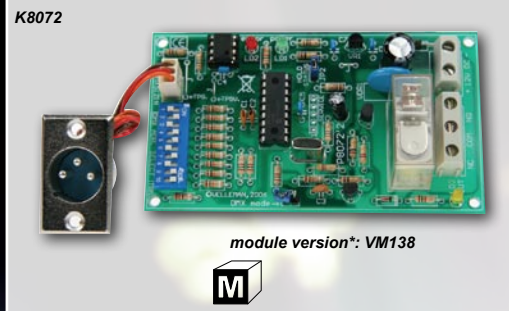
module version*: VM143/3W



DMX-CONTROLLED RELAY

Use a DMX signal to turn a relay output on/off. 512 addresses.

K8072



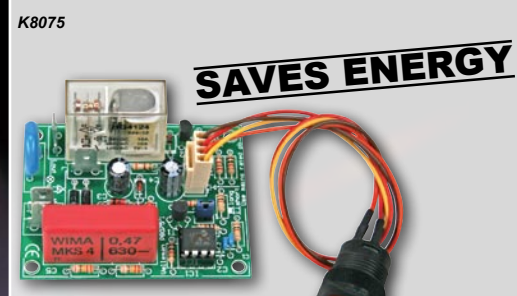
module version*: VM138



POWER SAVER/TIMER

This power saver turns off your equipment after a preset time. It helps you save money and increases safety. Select 1h, 2h, 4h, 8h or 24h.

K8075

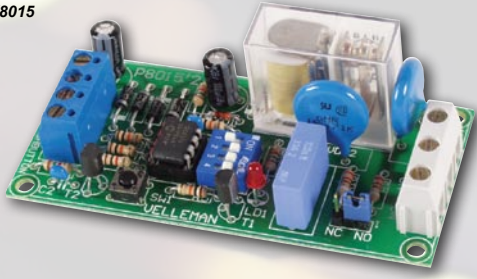


SAVES ENERGY

MULTIFUNCTION RELAY SWITCH (5A)

14 different functions including a timer, switching, flashing, interval, random switching...

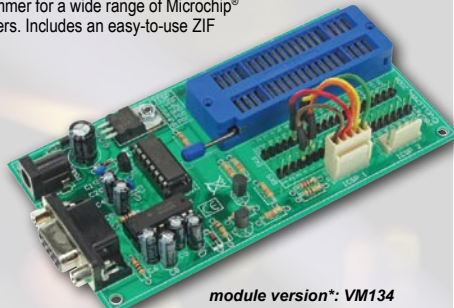
K8015



PIC™ PROGRAMMER BOARD

Programmer for a wide range of Microchip® controllers. Includes an easy-to-use ZIF socket.

K8076



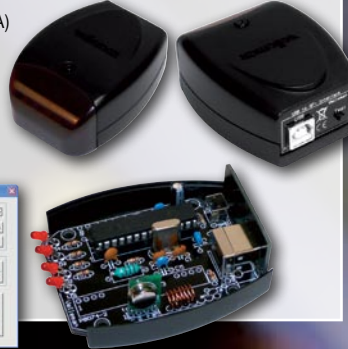
module version*: VM134



USB TO RF REMOTE CONTROL TRANSMITTER

Convert your computer into a powerful remote control. Simply connect to the USB port. Use the example software or write your own using the available DLL. (Not available in the USA)

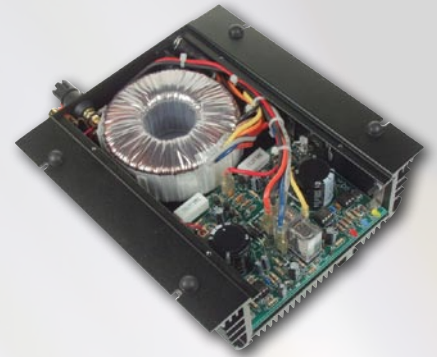
K8074



200W POWERBLOCK - POWER AMPLIFIER

Ideal for active speaker set-up, a powerful and fully protected reliable amplifier. Complete with all necessary parts. 100W RMS @ 4 ohms. With input sensing (auto turn on/off).

K8081



INTERVAL TIMER

General purpose pulse-pause timer, pulse between 0.5 and 5s, pause between 2.5 and 60s.

MK111



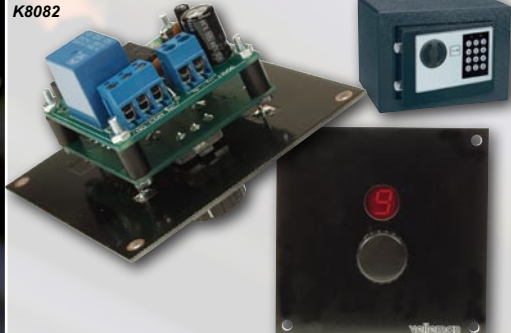
module version*: VM136



SAFE-STYLE CODE LOCK

Innovating and impressive code lock, using a rotary encoder instead of dull push buttons. Various setups and applications.

K8082



TELEPHONE RINGER WITH BUZZER AND LED

Connect anywhere on your telephone line for an extra audible and visual indication when the phone rings. No power supply needed.

K8087



100W RMS SUBWOOFER KIT

This kit contains all the necessary parts for your own high-Q subwoofer. Just add the wooden cabinet! Amazing sound. With input sensing (auto turn on/off).

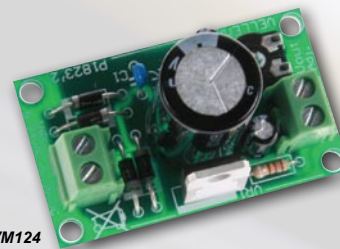
K8077



1A POWER SUPPLY MODULE

Just add a suitable transformer to power your project - 1.2V to 30V adjustable output.

K1823



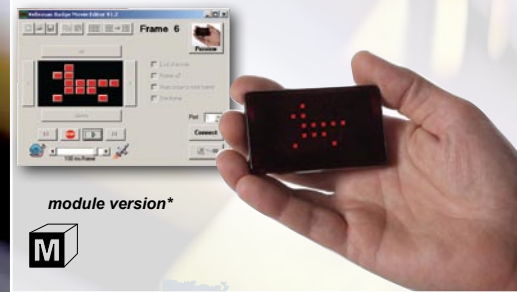
module version*: VM124



PERSONAL ANIMATED BADGE

Create personal mini movie animations and surprise your friends. Includes movie editing software for PC. Stores up to 8 animations.

VM112



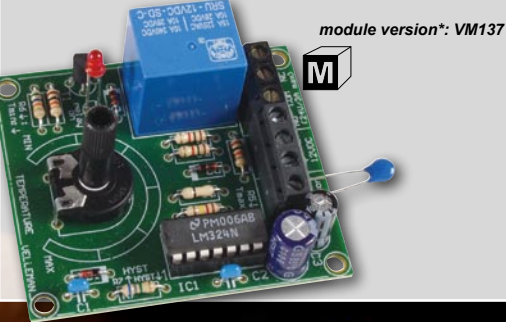
module version*



THERMOSTAT 5~30°C (41~86°F)

Thermostat or controller for various applications, for regulation or Hi/Lo alarm.

MK138



module version*: VM137

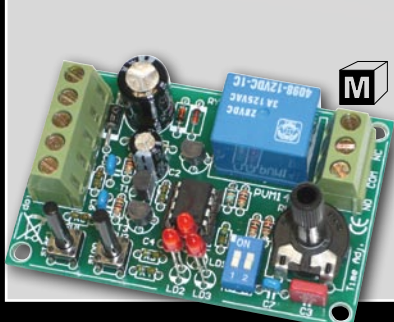


START-STOP TIMER (1S - 60H)

Wide timing range START - STOP timer, with animated indication. Range from 1s to 60 hours

VM141

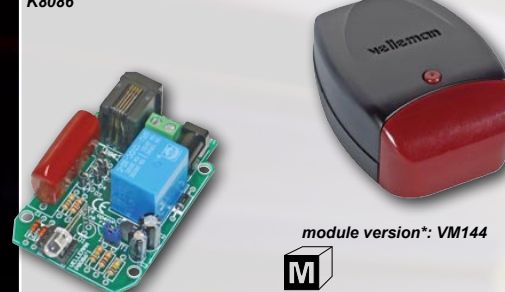
module version*



TELEPHONE RING DETECTOR WITH RELAY OUTPUT

Simply connect in parallel with you phone line. A powerful LED flashes when the phone rings. Connect 12VDC to enable the relay output.

K8086



module version*: VM144



DIMMER MODULE FOR ELECTRONIC TRANSFORMER

Dimming electronic transformers impossible? Not if you have this unit! A processor controlled circuit outputs a wave-form that is suited for most dimmable electronic transformers. (max 300W@230V / 150W@115V)

VM131



module version*

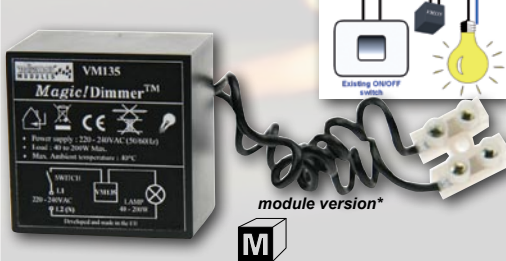


MAGICAL DIMMER MODULE

Keep your existing wiring and switch, just put in series with the lamp. Max 200W, for regular bulbs and 230V halogen lamps.

(Not available in some countries and USA)

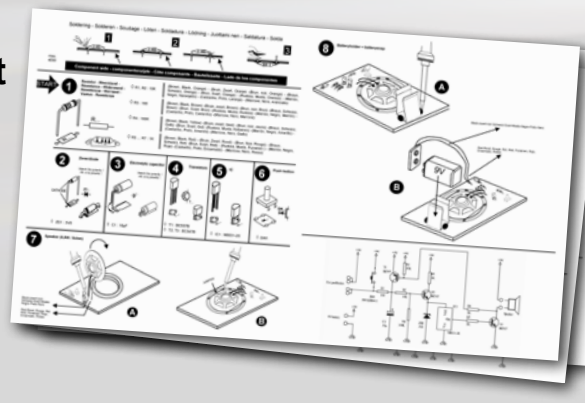
VM135



module version*



All our minikits (MKxxx) have simple and straight forward instructions, most of them are plug and play, only connect a battery and you are set!



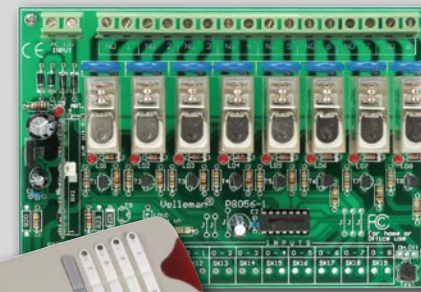
8-CHANNEL RF REMOTE CONTROL SET

(FCC approved ID code: NLO8058)

Complete set to remotel control up to eight 5A relay outputs. Pulse or latching selection.

VM118

module version*



FCC ID: NLO8058

MINI PIC(*)-PLC APPLICATION MODULE

Create your own microcontroller project, without the need to develop hardware.

This module has all you need. 4 inputs, 5 outputs, free to use LED and buzzer.

VM142

module version*



DIGITAL PANEL THERMOMETER WITH MIN/MAX READ-OUT

Small multi-purpose LED digital panel thermometer, stores the lowest and highest measured temp until reset.

(°C or °F) Wide power supply range: 9 to 24Vdc. -30°C (-22°F) to +120°C (248°F)

VM145



module version*

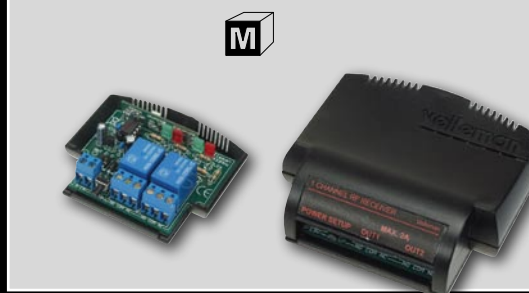


ONE-CHANNEL DUAL OUTPUT RECEIVER FOR K8058/VM118R

The dual outputs allow you to set two independent timers or pulse outputs using 1 transmitter key press.

K8070

module version*: VM119



8 CHANNEL RF REMOTE CONTROL TRANSMITTER

Optional 8 channel remote for various Velleman projects, different addresses and functions can be set.

K8058

module version*: VM118R

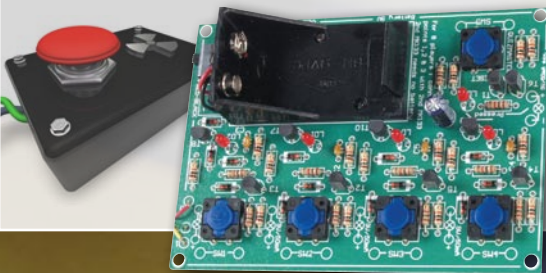


CLASSIC GAMES

EXPANDABLE QUIZ TABLE

Up to four players can compete. LED indicates first button pushed. Quizmaster 'RESET' -button with 'button pushed'-indication. Two units can be daisy-chained for eight-player-fun!

MK133



BRAIN GAME

Test your memory with this addictive game. The object of the game is to repeat a randomly generated pattern.

The pattern is played both visually and audible or visually only (selectable). Different levels

MK159

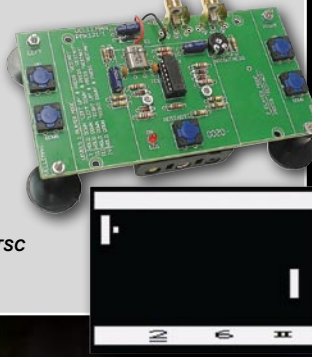


CLASSIC TV TENNIS GAME

One player mode with several levels, or play against an opponent. Hours of fun guaranteed.

PAL version*: MK121PAL

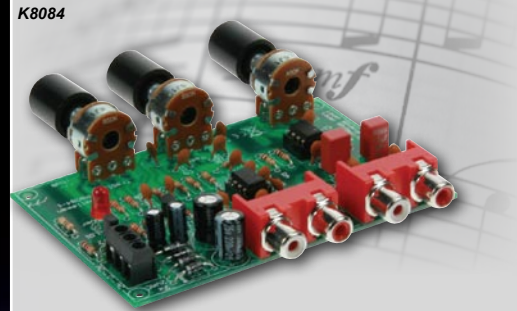
NTSC version*: MK121NTSC



VOLUME AND TONE CONTROL - PREAMPLIFIER

If you ever needed to improve the sound quality of your MP3 player, then this simple and high-quality control is what you need.

K8084

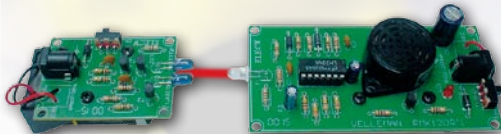


IR LIGHT BARRIER

Our bestselling Minikit.

A classic in electronics. Infrared light barrier with audible and visible alert.

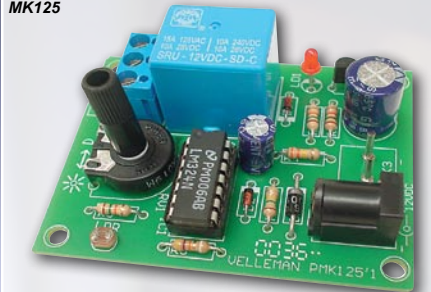
MK120



LIGHT SENSITIVE SWITCH

Automatically switches on at dusk and turns off at dawn.

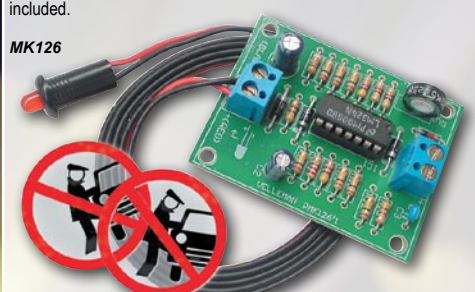
MK125



CAR ALARM SIMULATOR

LED with realistic flash sequence simulates active car alarm system, activates automatically when the engine is turned off. Warning labels included.

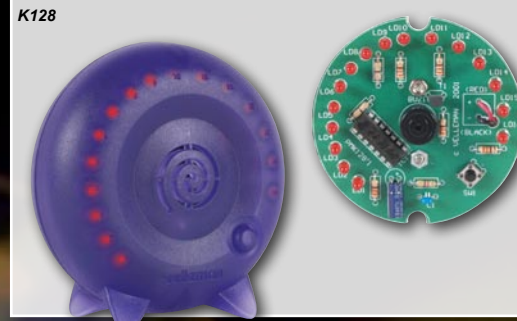
MK126



KITCHEN TIMER

Times 1 minute to 1 hour. Single button, straightforward operation. Clear 16-LED readout. Audible and visible alarm with discrete pre-alarm. Auto power-off. Attractive designer enclosure.

K128



SMD KIT PROJECTS (SURFACE MOUNTED DEVICE)

SMD HAPPY FACE

Ideal introduction into SMD (Surface-Mounted Device) technology.

MK141



SMD X-MAS TREE

Miniature Xmas gadget, easy to build smd components.

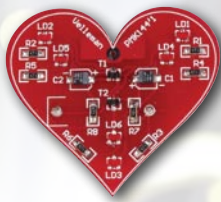
MK142



SMD FLASHING HEART

Can be operated pending (e.g. around the neck) or can be worn as a badge (pin supplied).

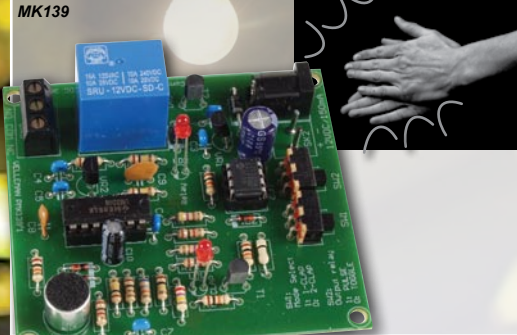
MK144



CLAP ON/OFF SWITCH

Operate your lighting simply by clapping your hands. Output relay 'pulse' or 'toggle' selection.

MK139



DIGITAL LED CLOCK

Clock with red 7-segment displays in an attractive enclosure, AC or DC voltage operation.

MK151



JUMBO SINGLE DIGIT CLOCK

Gadget clock, time is displayed as a sequence of digits. Bright 57mm jumbo red 7-segment display.

MK153



For more detailed information and our complete range of developments see:
vellemanprojects.com,
velleman.eu
 and vellemanusa.com

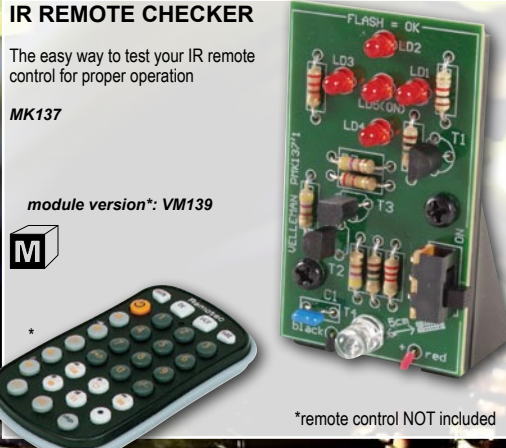


IR REMOTE CHECKER

The easy way to test your IR remote control for proper operation

MK137

module version*: VM139



RGB CONTROLLER WITH RF REMOTE

For incandescent bulbs and leds. Select an effect from the numerous built-in effects and set the effect speed from the comfort of your chair with the supplied keychain remote. Additional feature: Use the optional USB to RF remote and control the unit from a PC. Free demo soft. Write your own application. Control up to 8 units independently. (available MID 2008)

VM151

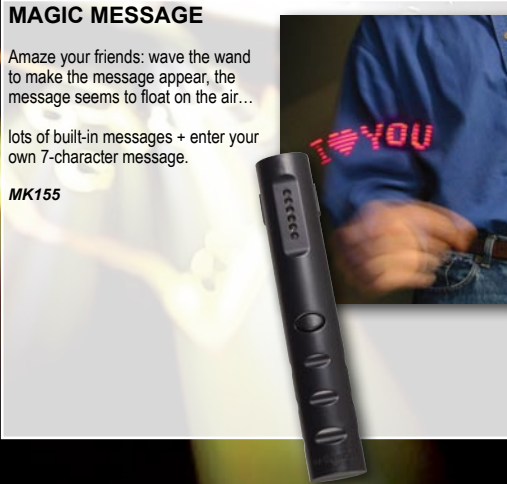


MAGIC MESSAGE

Amaze your friends: wave the wand to make the message appear, the message seems to float on the air...

lots of built-in messages + enter your own 7-character message.

MK155



REMOTE CONTROL VIA GSM MOBILE PHONE

Turn equipment ON and OFF from any place in the world via a mobile phone for free!

MK160



CRAWLING MICROBUG

Attractive bug-shaped miniature robot. The microbug is always hungry for light and heads towards it.

With Enclosure.

MK165



IR ELECTRONIC VOLUME CONTROL

IR-controlled electronic volume adjustment. Controls the volume of audio signals. Suitable for PC or hi-fi applications.

MK164



2-CHANNEL IR REMOTE TRANSMITTER

Compact 2-button IR keychain remote. Compatible with most Velleman IR receivers. With attractive enclosure.

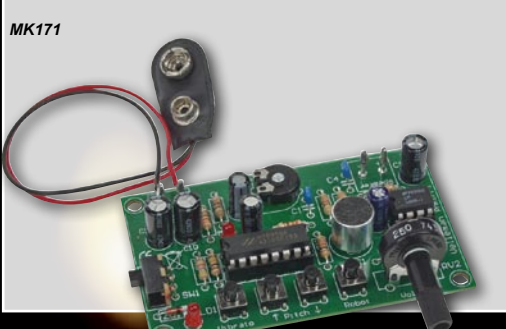
MK162



VOICE CHANGER

Make your voice sound like a robot or other odd beast. Add vibrato effect, use the 'pitch'-buttons and make your voice sound lower or higher. Built-in microphone and power amplifier with volume control, just add a speaker.

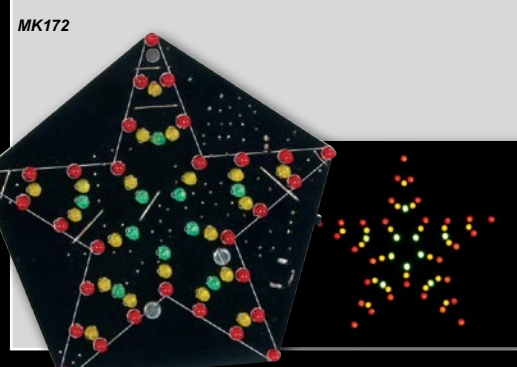
MK171



SOUND STAR VU METER

This 60 LED dancing music star will blow you away. Includes microphone and battery holder.

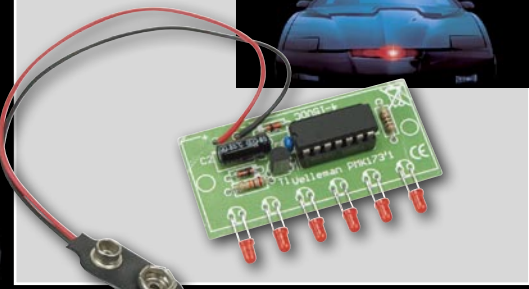
MK172



MINI-6-LED CHASER

Gadget or attention grabber. As seen in classic TV-series.

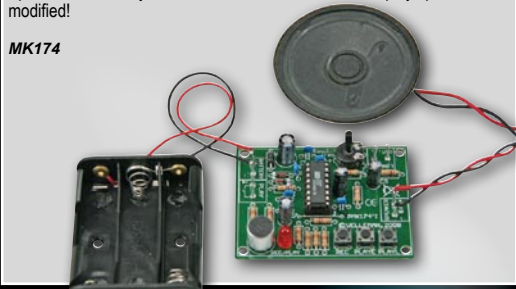
MK173



SINGLE-MESSAGE RECORD/PLAYBACK PROJECT

Record any message between 10 and 35 seconds, with on-board mic. Speaker and battery holder included. Great fun when replay speed is modified!

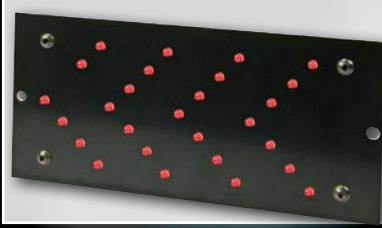
MK174



LED CHEVRON ARROW

Rolling, scrolling, inverse scrolling or blinking. Great attention grabber or direction pointer.

MK176



DING DONG

Classic style Ding - Dong, with a nice on-board speaker design. On-board or external pushbutton connection. Includes battery holder. Low power consumption.

MK177



2MHZ USB FUNCTION GENERATOR

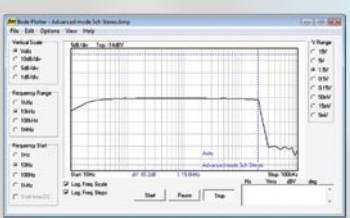
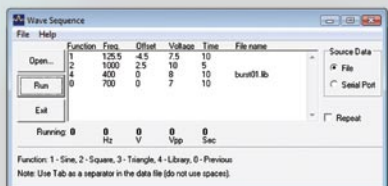
Convert your computer into a feature-packed function generator. Outputs are galvanically isolated from computer.

Comes with PC software and a DLL for your own developments, and a worldwide PSU.

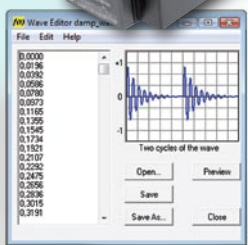
PCGU1000
USB



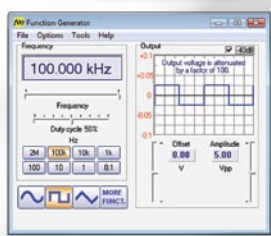
AUTOMATED WAVE SEQUENCE GENERATOR



BODE PLOT FUNCTION



WAVE EDITOR

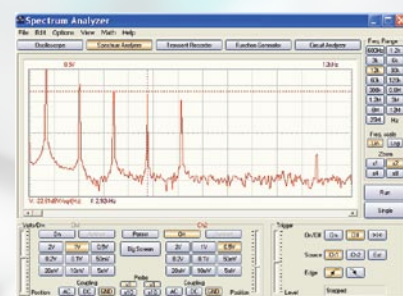


FUNCTION GENERATOR

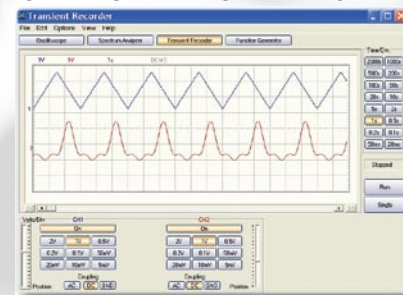
TWO-CHANNEL USB PC OSCILLOSCOPE - 2 X 60MHZ

Use the power of your PC to visualize electrical signals. Its high sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz offer all the power you need.

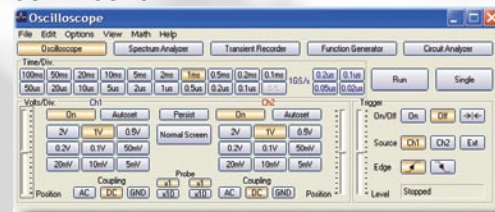
PCSU1000



SPECTRUM ANALYSER + RECORDER FUNCTION



OSCILLOSCOPE



2 x 60 MHz
2 x 1 GS/s



Finally! Here is no-nonsense home automation which is easy to install and to maintain, both for the qualified technician as for the DIY enthusiast. The system does not contain any (costly) central unit, which makes it extremely user-friendly, reliable and inexpensive. The VELBUS can be set up and controlled using the classic learning method as well as with a few clicks of the mouse through your computer. The necessary software is available for free.

www.velbus.be



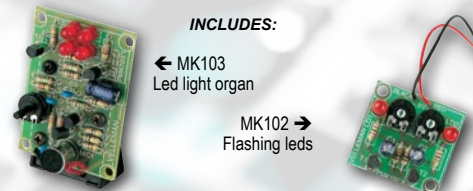
- | | |
|--------------------------------------------------------------------|--------------------------------------------------|
| 1 VMB4PD PUSH BUTTON AND TIMER PANEL FOR VELBUS® | 10 VMB2BL 2 CHANNEL BLIND CONTROL MODULE |
| 2 VMBIRTS IR REMOTE STICK FOR VELBUS | 11 VMB1DM DIMMER MODULE |
| 3 VMBFDG FRAME + SIDE COVERS FOR VELBUS SYSTEM - DARK GREY | 12 VMB3PS POWER SUPPLY |
| 4 VMBFLG FRAME + SIDE COVERS FOR VELBUS SYSTEM - LIGHT GREY | 13 VMBTR1 DIN-RAIL TRANSFORMER FOR VELBUS |
| 5 VMB8PB 8 CHANNEL PUSH BUTTON MODULE | 14 VMBBOX PATTRRESS BOX |
| 6 VMB1RY RELAY MODULE | 15 VMB1USB USB INTERFACE |
| 7 VMB4RY 4 CHANNEL RELAY MODULE | 16 VMB1RS SERIAL INTERFACE |
| 8 VMB6IN 6 CHANNEL INPUT MODULE | |
| 9 VMB1BL BLIND CONTROL MODULE | |

STARTER PACK SET

Wait no longer to get started into electronics! This pack holds all that you need!

Soldering iron + stand, solder dispenser, 2 Mini Kits and a small cutter.

K/START



INCLUDES:

← MK103 Led light organ

MK102 → Flashing leds



- | |
|------------------------------------------------------|
| 1 K/RES-E12 SET OF 610 RESISTORS (E12-SERIES) |
| 2 K/RES-E3 SET OF 480 RESISTORS (E3-SERIES) |
| 3 K/CAP1 CERAMIC CAPACITOR SET |
| 4 K/CAP2 ELECTROLYTIC CAPACITOR SET |
| 5 K/DIODE1 120 pcs DIODE SET |
| 6 K/LED1 SET OF 80 ASSORTED LEDs |
| 7 K/TRANS1 TRANSISTOR SET |

For more detailed information and our complete range of developments see: vellemanprojects.com, velleman.eu and vellemanusa.com

***VMXXX (M) MODULES ARE PRE ASSEMBLED AND TESTED
KXXX KITS AND MKXXX MINIKITS REQUIRE SOLDERING**



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