

30A96020: Voice Recording Module (2 x 20 Seconds)

General Guidelines for Electronic Kits and Assembled Modules

Thank you for choosing one of our products. Please take some time to carefully read the important information below concerning use of this product. The assembly and operating instructions are on the following pages. Help with component identification can be found on our website at www.quasarelectronics.com/componentid.htm. If you are unsure about any aspect of the assembly or use of this product please contact our Support Team before proceeding.



WEEE Directive (Waste Electrical and Electronic Equipment)

Notice To All European Union Citizens. Important environmental information about this product.

The crossed out wheeled bin symbol on this product, package or documentation indicates that disposal of this product after its lifecycle could harm the environment. Do not dispose of this product (or batteries if used) as unsorted municipal waste. It should be disposed by a specialized company for recycling.

The unit should be returned to your distributor or to a local recycling service. Please respect the local environmental rules. If in doubt contact your local authorities about waste disposal rules.

Safety: General rules concerning safe use of our Kits or Modules.

To ensure your safety, please observe these safety measures. In no way are these complete. As safety requirements vary, please check with your local authorities, in order to comply with local requirements. If in doubt, seek the help of a qualified person.

Battery or wall-adaptor operated devices are safe devices. They do not require special attention unless mains voltage is connected to an output e.g. a relay.



To ensure electrical safety, and also protection from fire or personal injury, make sure your mains operated equipment complies with these safety hints:

- Use a suitable plastic enclosure. If a metal enclosure is used, make sure it is properly earthed.
- Use a power switch if the device consumes more than 10W. Use a double pole switch for mains operated, transformer-less kits.
- Mount a fuse in series with the mains switch. Use a slow blow (T) 50mA fuse for transformers up to 10W and a 100mA fuse for transformers up to 20W.
- Use a mains input connector, or a robust power cord with a clamp.
- Internal wiring carrying mains voltages must have a minimum cross-sectional area of 0.5mm².

If supplied, attach the power rating label near the power cord of the device and fill-out the mains voltage, frequency, power consumption and fuse values.

Troubleshooting and Support

90% of non working kits are due to poor soldering.

We operate a Get-You-Going service for non-working kits but there is a charge based on the time and components needed to complete the repair. Quite often it is not economically viable for us to repair and it is cheaper to supply a new ready made product at full cost.

Disclaimer

Quasar Electronics reserves the right to change product specifications or to discontinue products without notice. Quasar Electronics cannot be held responsible for any loss or damage, direct or indirect, which might occur from the use of a product. Quasar Electronics Kits or Modules are intended for educational and demonstration purposes only. They are not intended for use in commercial applications. If they are used in such applications the purchaser assumes all responsibility for ensuring compliance with all local laws. In addition, they are not suitable for use as or as a part of life support systems, or systems that might create a hazardous situation of any kind.

30A96020 Voice Recording Module 20" x 2 sections

Description

The 30A96020 voice recording module offers true single chip solid state storage capability and requires no software or micro-controller support. It provides high quality recording and playback with dual 20 second message.

Features

- Non volatile flash memory technology
- No battery back up required
- User friendly, easy to operate
- Slide switch for record or play back
- Separate key to trigger message 1 or 2
- Low power consumption
- LED to indicate recording and playback
- Built-in condenser mic
- Automatic power down
- 5-6V Operation (**DO NOT EXCEED 6.5Vdc!**)



Operation

Recording

1. Turn slide Switch to REC position, press M1 or M2 to start recording, release key when recording complete. LED will light up during recording. If voice message is longer than 20sec, it will beep twice, LED will turn off and stop recording.
2. If there is a message recorded previously, press REC will erase the previous and record the new one.

Play Back

1. Turn slide switch to PLAY position, press M1, or M2 to start play back. The message will be played back from the beginning until ended. During play mode, if key PLAY is pressed, the message will stop immediately.
2. If the newly recorded message is shorter than the previously recorded message, the remaining portion of the previous message will be erased.

Standby

The module will automatically enter standby mode after recording or playback operation is completed.

Connectors and Switches

SPK	0.1" pitch pin connector for speaker
PWR	0.1" pitch pin connector for DC power, note polarity
SEL	Slide switch for Record/Playback
M1	Push button for message 1
M2	Push button for message 2

Electrical Spec

Parameter	Typical	Max	Unit
Operation Voltage	6	6.5	V
Operation Current (8Ω Speaker connected)			mA
Recording	45		
Playback	70		
Standby Current	200	250	uA

PCB Layout of the module

Size : 34 x 23 mm

