M Gmail   **Sophie Lines <viamed.sophie.lines@gmail.com>**

Fwd: Re: Re: V1000 programming error

1 message

Steve Nixon <office@viamed.co.uk>   Fri, Dec 16, 2022 at 1:50 PM
Reply-To: steve.nixon@viamed.co.uk
To: office@vmsecure.me.uk

Please send ASAP free issue parts via UPS Express Saver (no charge).

To:
DL Electronics
FAO David Brough
114 Lime Crescent Hartlepool Cleveland TS24 8JP

1 x 1430295 Keypad
1 x 1430302 Transducer
1 x 1430287 Potentiometer
1 x 1430309 Transducer interface cushion
1 x 1430287 Battery compartment
1 x 1430288 Battery clip contact set
1 x 1430311 Connector - transducer
1 x 1430312 Connector - Power
5 x 1430310 Crimp sockets

Steve

---------- Forwarded message ---------
From: **DAVID BROUGH** <david.brough@virgin.net>
Date: Mon, 28 Nov 2022 at 14:22
Subject: Fwd: Re: Re: V1000 programming error
To: Steve Nixon <steve.nixon@viamed.co.uk>
Cc: Les Scott <lascott@ntlworld.com>

Hi Steve
        I am in the process of making a custom programming cable. As mentioned previously can you supply:-
Membrane keypad
Speaker+ connector
Battery connector
Potentiometer
Coupling pad.

Regards

Dave

---------- Original Message ----------
From: DAVID BROUGH <david.brough@virgin.net>
To: Steve Nixon <steve.nixon.viamed@googlemail.com>
CC: Les Scott <lascott@ntlworld.com>
Date: 19/11/2022 10:31
Subject: Re: Re: V1000 programming error

Hi Steve
        Received the programmer on Friday. The cable supplied is not compatible with the connector on the PCB, refer to photos.
Also I requested a membrane keypad, to enable function verification. Can you include a battery connector and speaker transducer
with connector attached. I would also like a coupling pad if possible. If you can't source the actual connector for the PCB/
programmer. Do you have a PCB programming connector with cable attached? I maybe able to connect to existing programmer
connector.

Regards

Dave

On 08/11/2022 21:22 Steve Nixon <steve.nixon.viamed@googlemail.com> wrote:

Hi Dave

Sorry for the late reply, we have just finished with ISO audits/meetings.

I'll order a programmer and connector for the new PCBs.

Steve

On Fri, 4 Nov 2022 at 08:12, Main Account <office@viamed.co.uk> wrote:

---------- Forwarded message ---------
From: **DAVID BROUGH** <david.brough@virgin.net>
Date: Thu, 3 Nov 2022 at 20:31
Subject: Fwd: Re: V1000 programming error
To: Steve Nixon <steve.nixon@viamed.co.uk>, Steve Nixon <office@viamed.co.uk>
Cc: Les Scott <lascott@ntlworld.com>

Hi Steve
        Here is a link to a programmer for the ST7, this is still available from digikey at approximately
£100. If you purchase one, you can either try programming the PCBs yourself or send it up to me and I
will give it a go. If you send to me also include a membrane keypad.

https://www.raisonance.com/st7.html

Regards

Dave

---------- Original Message ----------
From: DAVID BROUGH <david.brough@virgin.net>
To: steve.nixon@viamed.co.uk, Steve Nixon <office@viamed.co.uk>
CC: Les Scott <lascott@ntlworld.com>
Date: 03/11/2022 15:50
Subject: Re: V1000 programming error

Hi Steve
        Yes received the parts ok. thanks. It is very difficult to obtain programmers for
these microcontrollers so I am unable to attempt to program the microcontroller on board.
Did you try the other suggestions, removing membrane connections during programming.
It would seem that the PCB's are powered via the programming connector/programmer
during the flash process. So as far as I can see no external power should be applied
during the programming process only the power from the programmer. As mentioned the
ideal check would be to flash an existing V1000 to verify the programming system is
operational.
I will see if I can locate an old programmer for these microcontrollers.

Regards

Dave

On 01/11/2022 19:37 Steve Nixon <office@viamed.co.uk> wrote:

Hi Dave

We don't have any V1000s available. Have you received the parts OK?

Steve

On Mon, 24 Oct 2022 at 14:23, Steve Nixon <steve.nixon@viamed.co.uk>
wrote:

Thanks, I'll see if we have one to work with.

Steve

On Mon, 24 Oct 2022 at 13:01, DAVID BROUGH
<david.brough@virgin.net> wrote:

Hi Steve
        Just had an idea, these
microcontrollers use flash memory for the
program. They can be programmed many times
over. If you have a known good foetal simulator,
this can be connected to the programming
system (keypad/membrane disconneced) and
reprogrammed. If this is successful then this will
prove the operation of the programming system
and the firmware file. If this fails then the
problem lies here, if this succeeds then the
problem lies with the pcb's or the
microcontroller's. The only downside with this
procedure is you may lose a working unit. But
this procedure will save time.

Regards

Dave

On 24/10/2022 09:35 Steve Nixon <office@viamed.co.uk> wrote:

Hi Dave

I don't think so, but will double check.

Steve

On Mon, 24 Oct 2022 at 09:19, DAVID BROUGH <david.brough@virgin.net> wrote:

Hi Steve
I have noticed that two of the ST7 programming pins are doubled up with the membrane keypad. I would say that the keypad should be removed before programming, otherwise this may cause conflict. Is the PCB/microcontroller being programmed with keypad disconnected?

Regards

Dave

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Steve

Steve Nixon
Director - Viamed Ltd.

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www.viamed.co.uk/policy
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Steve

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4 attachments

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737K

IMG_20221119_094809.jpg
734K

IMG_20221118_135927.jpg
2232K

IMG_20221118_135914.jpg
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