DMConnect

For the DM10, DM11, DM12, DM15, DM16 and DM41

SwissMicros

Makes life easier

- *I/O to back data up and retrieve data over USB*
- *Firmware updates*
- *Writing programs*
- *Storage register ⟷ spreadsheet*
- *Model-specific features*
  - *Matrices*
  - *Alarms*
  - *Etc…*

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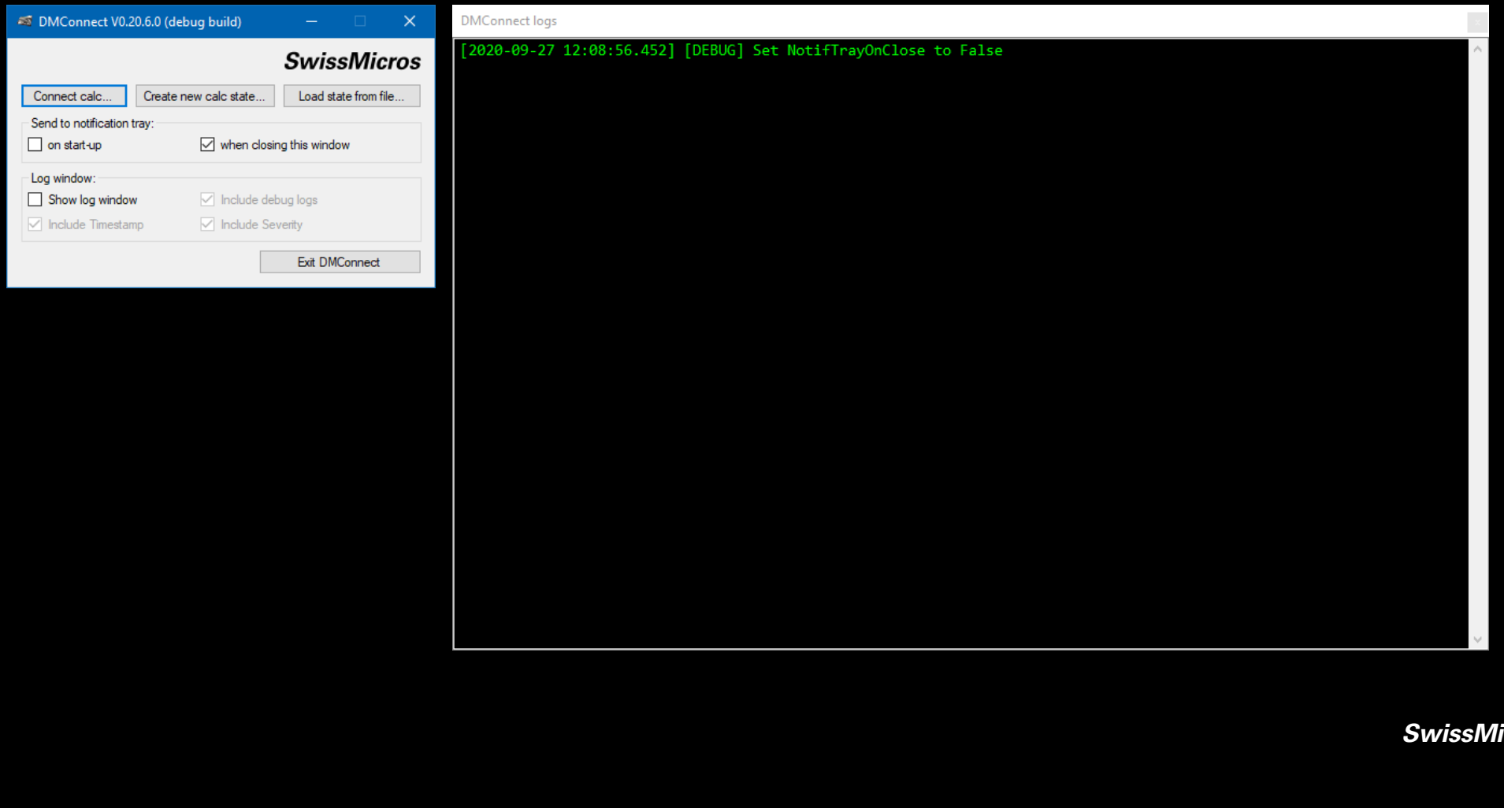
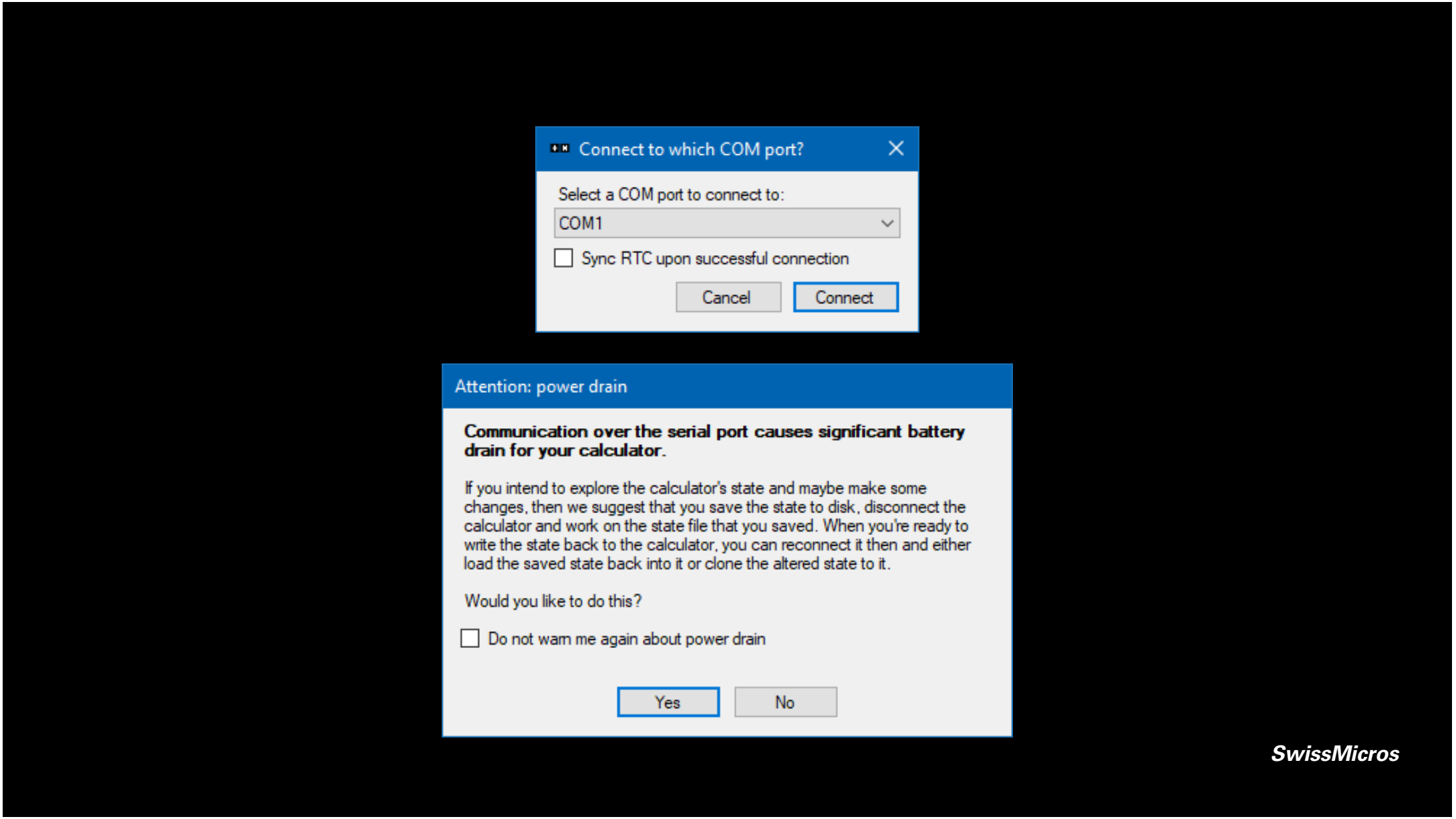
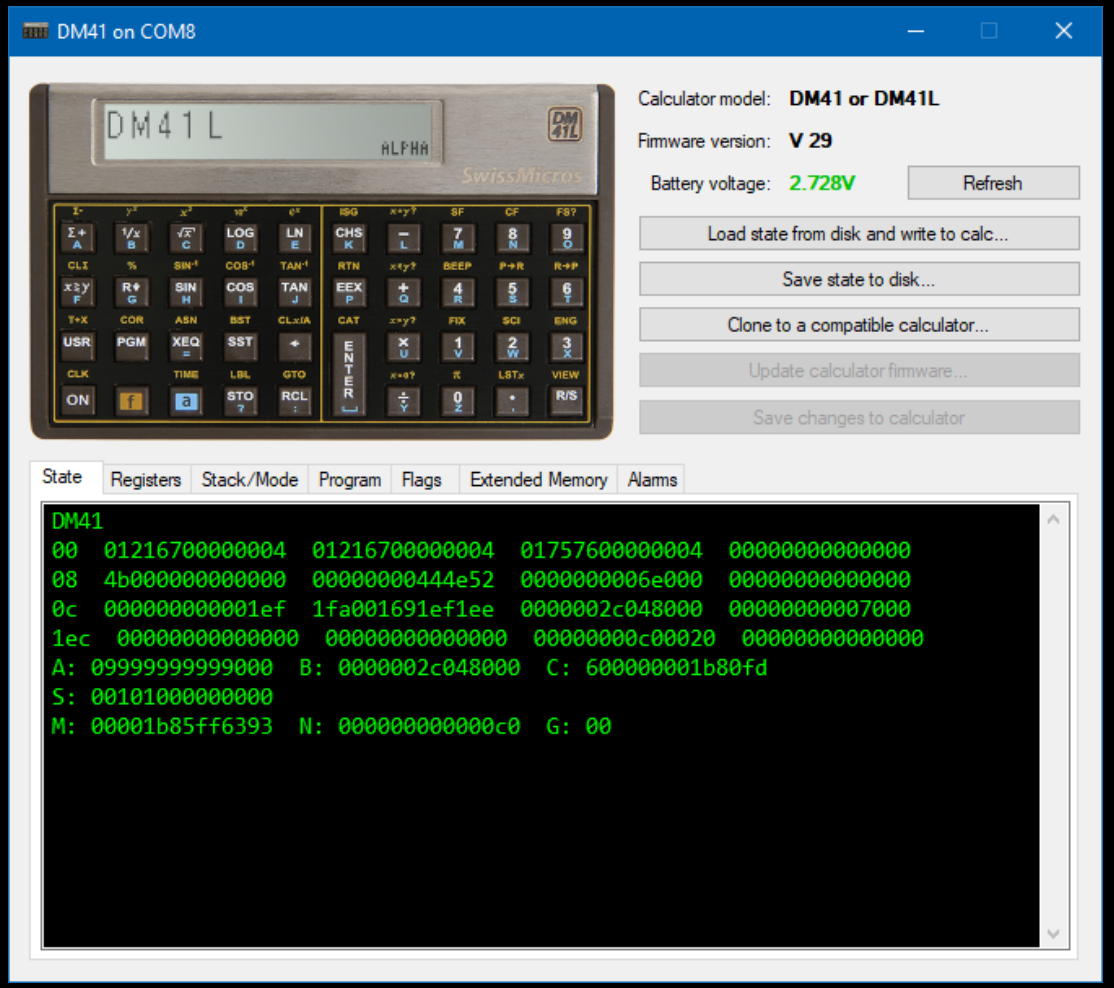

DMConnect V0.20.6.0 (debug build)
SwissMicros
Connect calc...
Create new calc state...
Load state from file...
Send to notification tray:
on start-up
when closing this window
Log window:
Show log window
Include debug logs
Include Timestamp
Include Severity
Exit DMConnect
DMConnect logs
[2020-09-27 12:08:56.452] [DEBUG] Set NotifTrayOnClose to False
SwissMicros


Connect to which COM port?
Select a COM port to connect to:
COM1
Sync RTC upon successful connection
Cancel
Connect
Attention: power drain
Communication over the serial port causes significant battery drain for your calculator.
If you intend to explore the calculator's state and maybe make some changes, then we suggest that you save the state to disk, disconnect the calculator and work on the state file that you saved. When you're ready to write the state back to the calculator, you can reconnect it then and either load the saved state back into it or clone the altered state to it.
Would you like to do this?
Do not warn me again about power drain
Yes
No
SwissMicros



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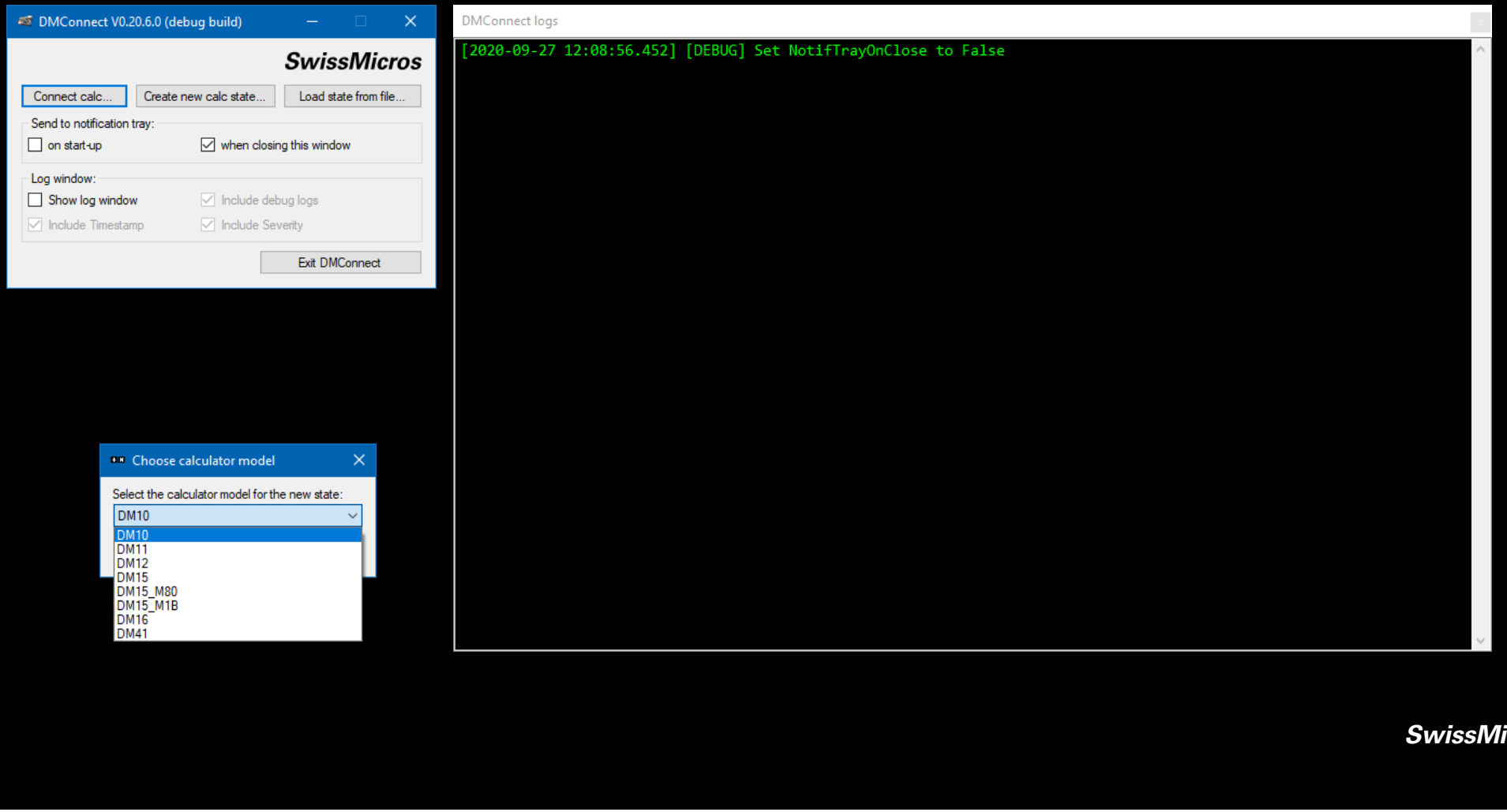
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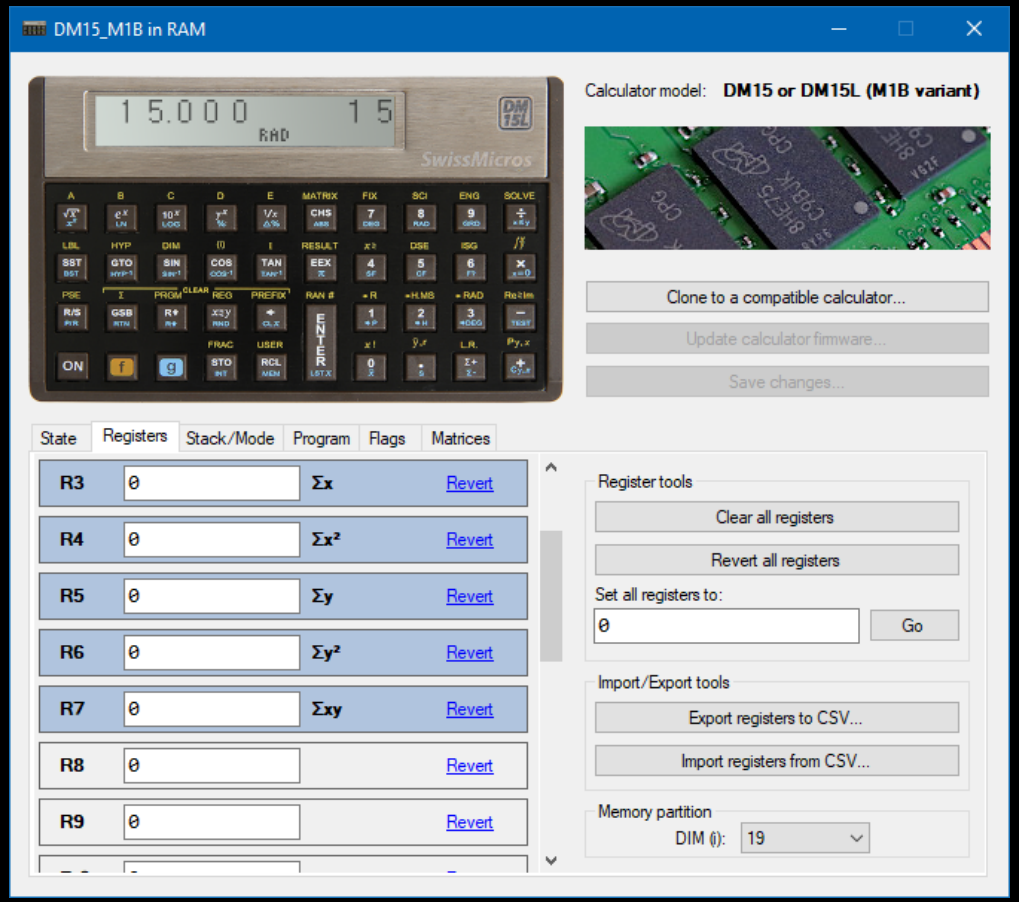
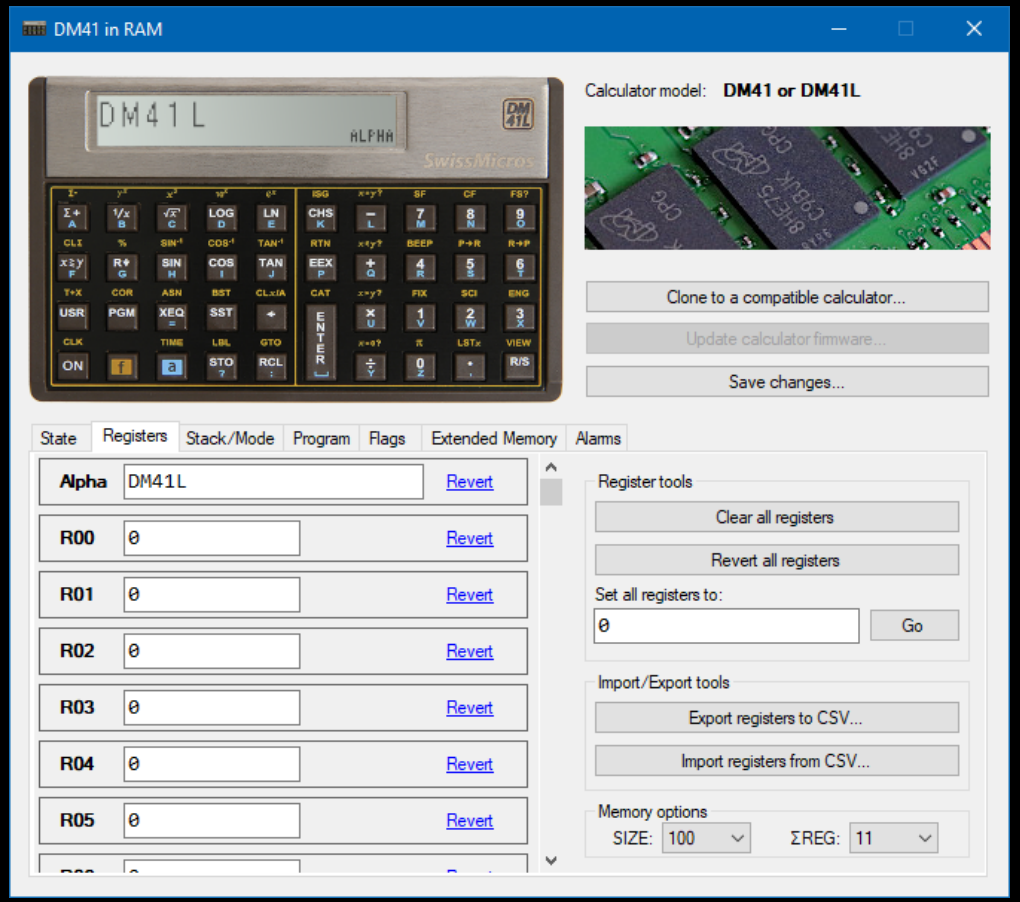
Exit DMConnect
DMConnect logs
[2020-09-27 12:08:56.452] [DEBUG] Set NotifTrayOnClose to False
Choose calculator model
Select the calculator model for the new state:
DM10
DM10
DM11
DM12
DM15
DM15_M80
DM15_M1B
DM16
DM41
SwissMicros





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DM15_M1B in RAM

Calculator model: **DM15 or DM15L (M1B variant)**

Clone to a compatible calculator...

Update calculator firmware...

Save changes...

State | Registers | Stack/Mode | Program | Flags | Matrices

RPN Stack

T:	0	: Re	0	: Im
Z:	0	: Re	0	: Im
Y:	0	: Re	0	: Im
X:	0	: Re	0	: Im
Last X:	0	: Re	0	: Im

CLSTK

Modes

Display: FIX 4 Angle: DEG ☐ Decimal "," (comma) ☐ USER mode ☑ COMPLEX mode

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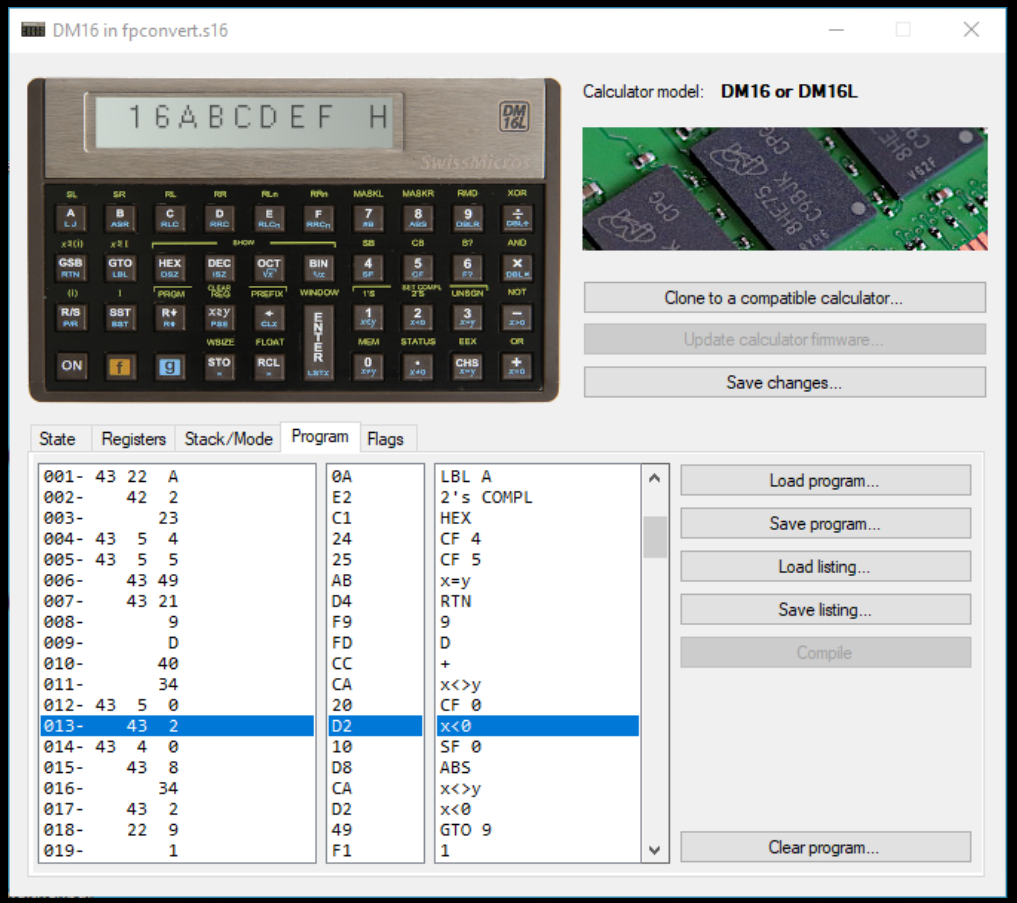

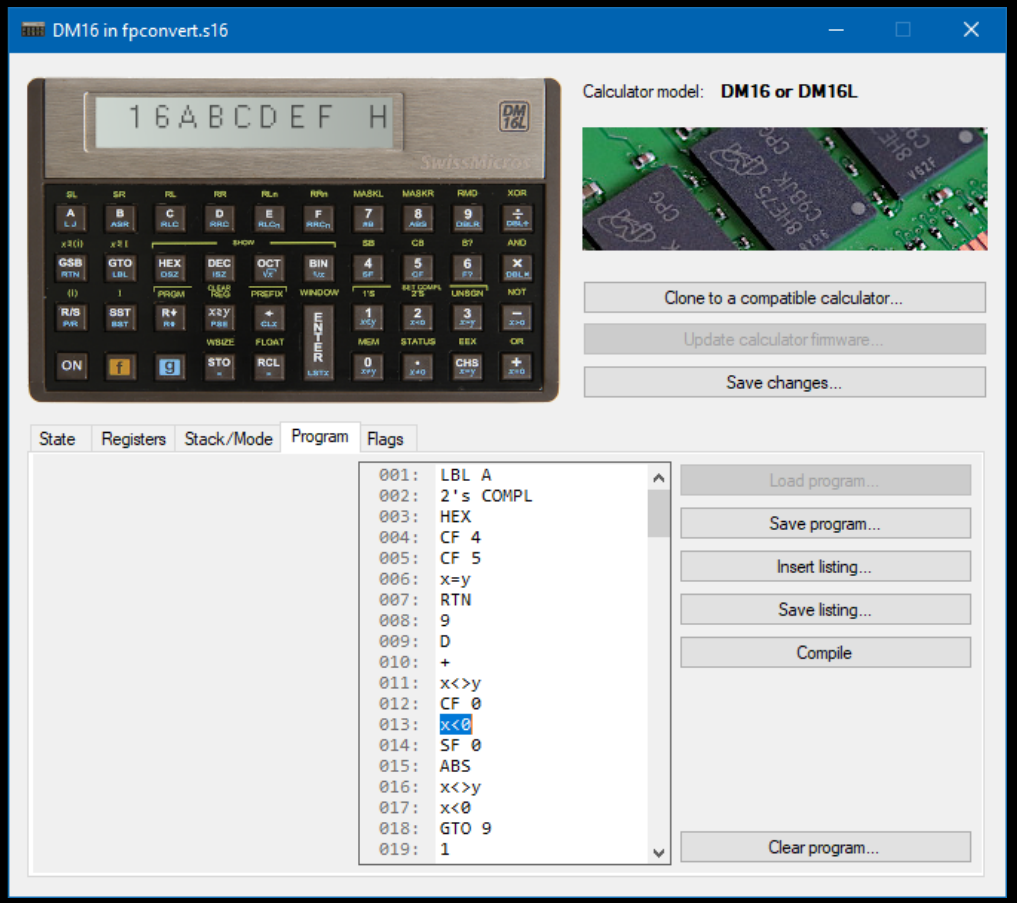

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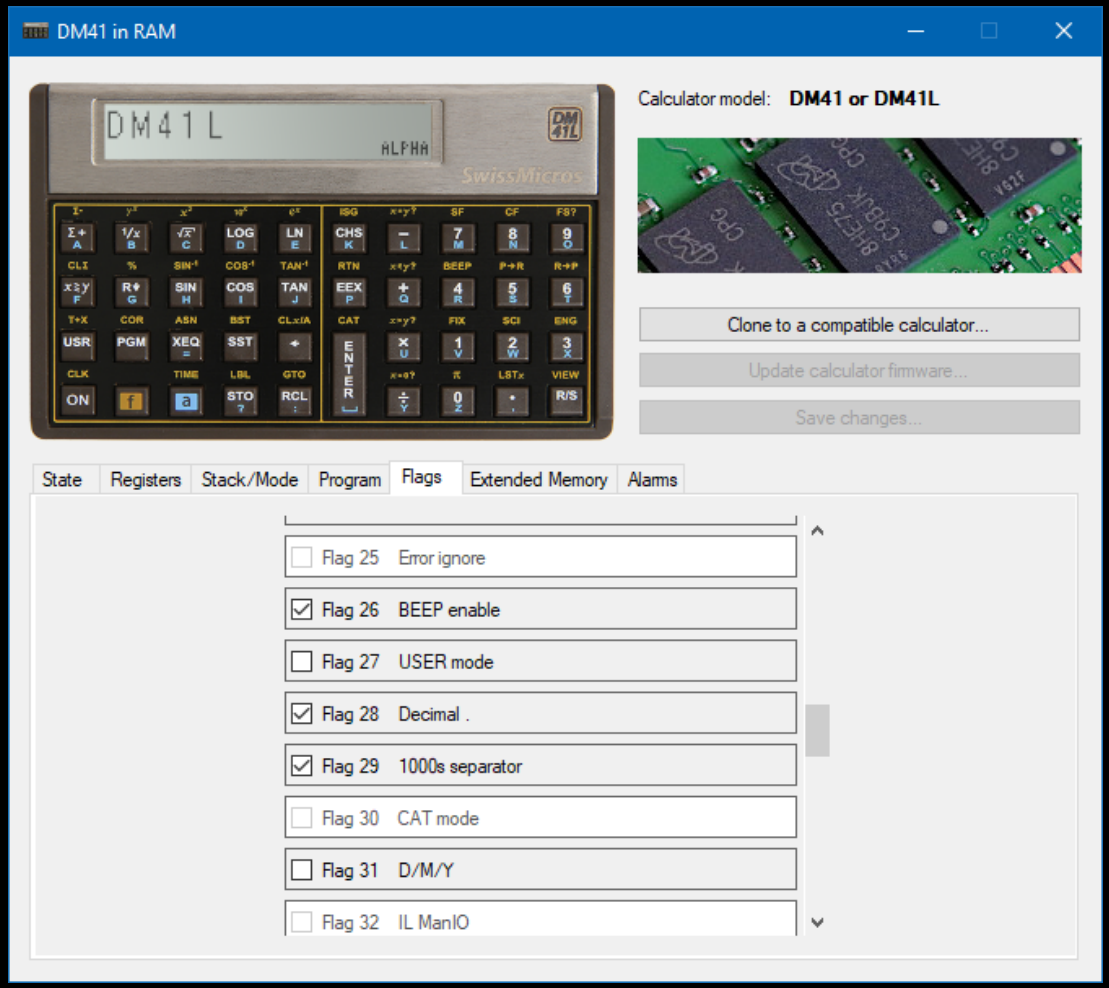

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Model-specific features

Financial registers (DM12)
Matrices (DM15)
Number base and bit width (DM16)
Extended Memory / Alarms (DM41)

SwissMicros

DM12 in RAM

Calculator model: **DM12 or DM12L**

Clone to a compatible calculator...

Update calculator firmware...

Save changes...

State | Registers | Stack/Mode | Program | Financial

FV: 0

PMT: 0

PV: 0

i: 0

n: 0

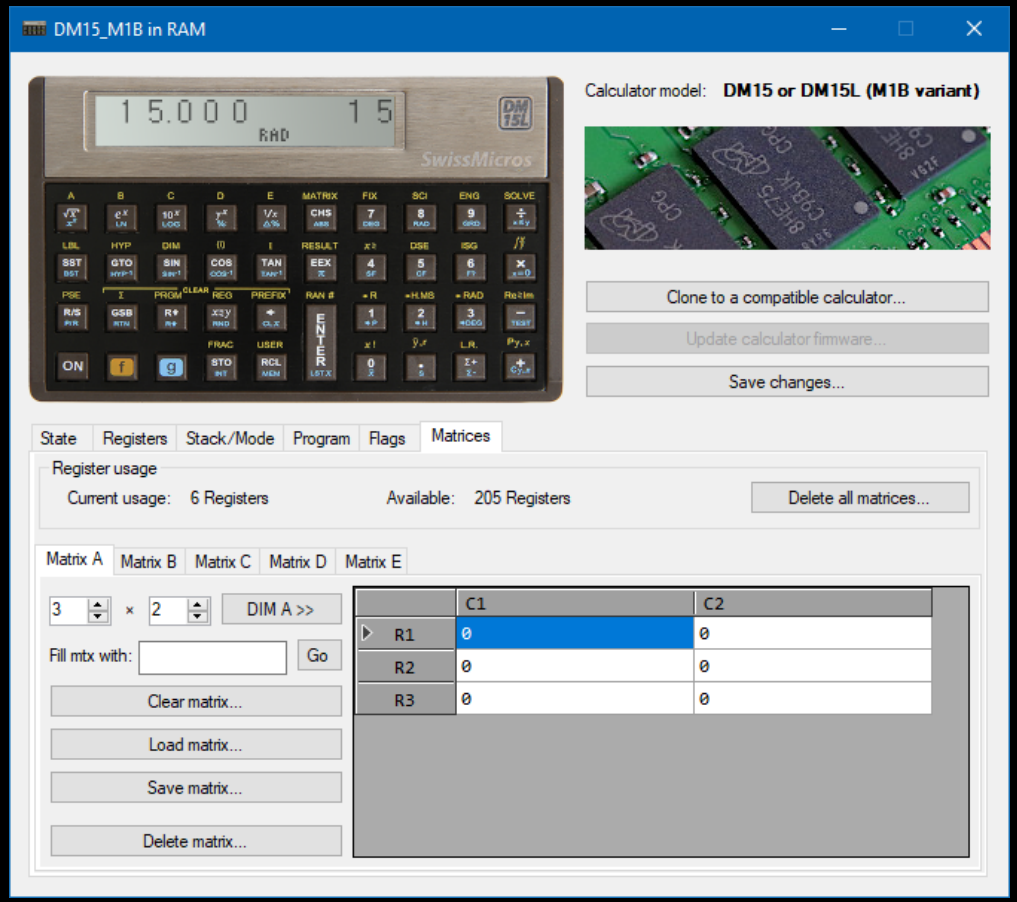
Payment: END

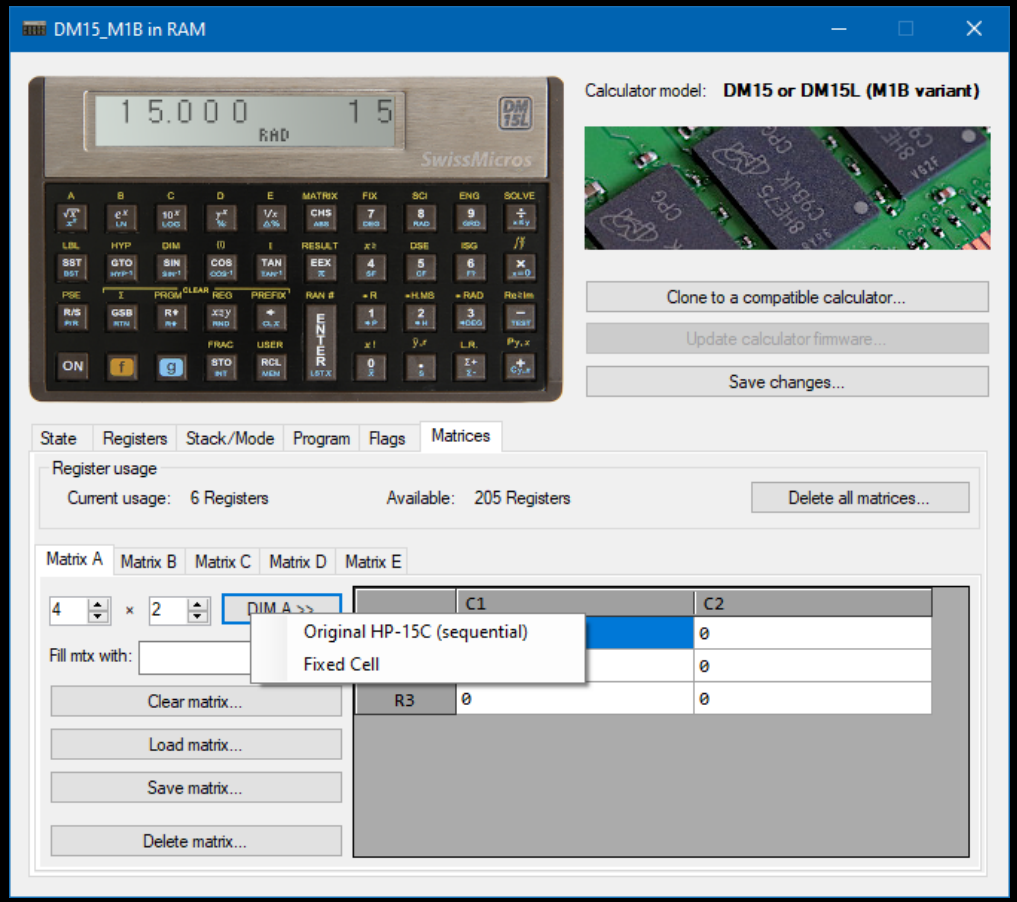
Clear financial registers...

SwissMicros

Model-specific features

Financial registers (DM12)
Matrices (DM15)
Number base and bit width (DM16)
Extended Memory / Alarms (DM41)





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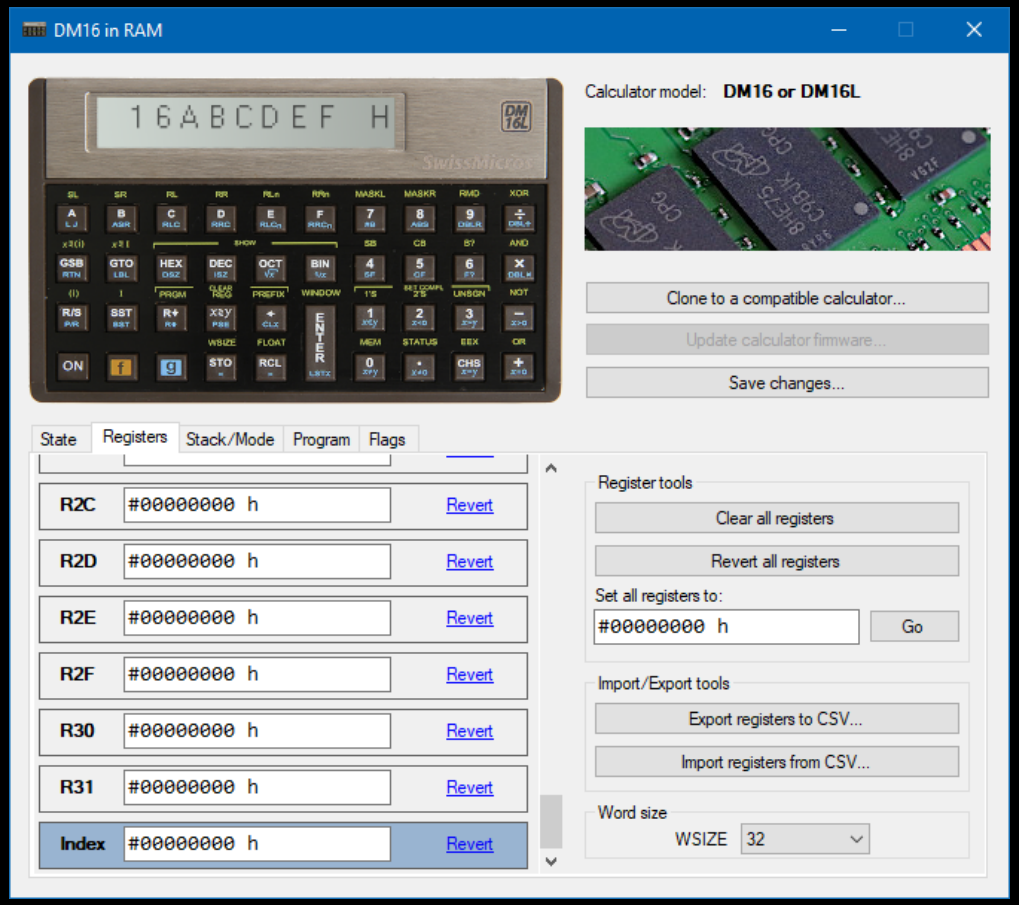

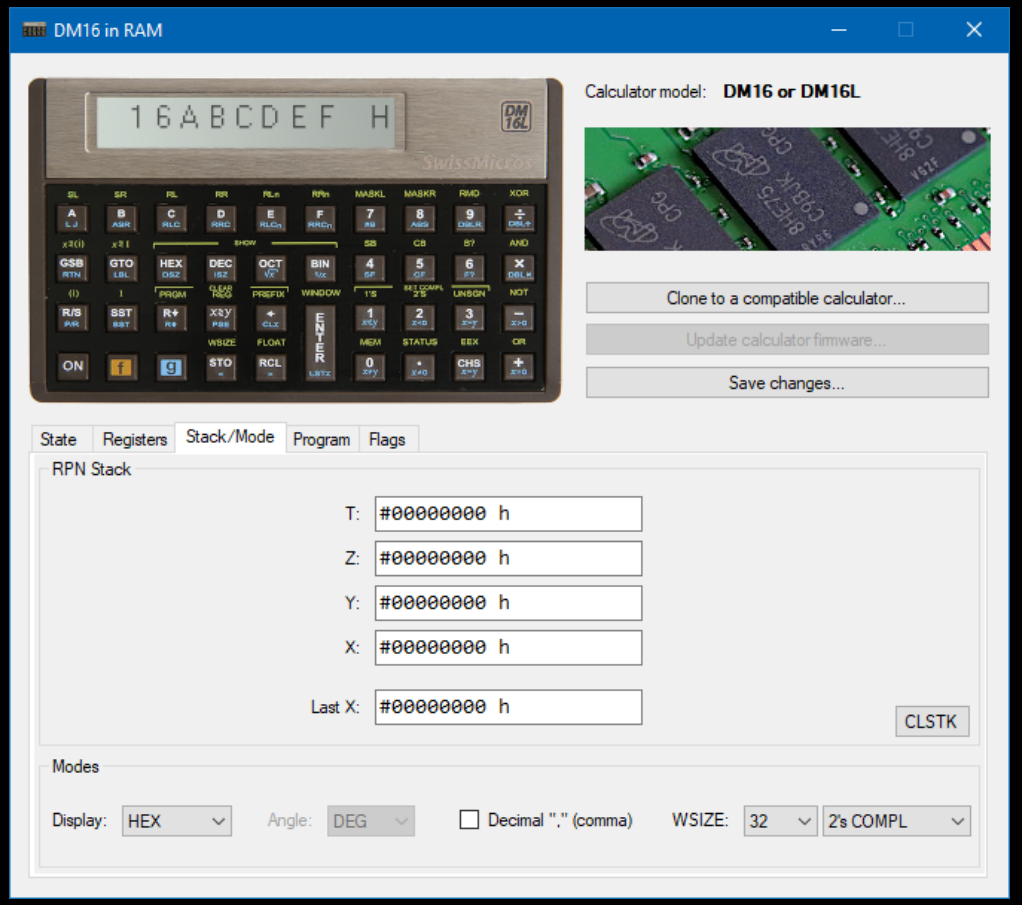

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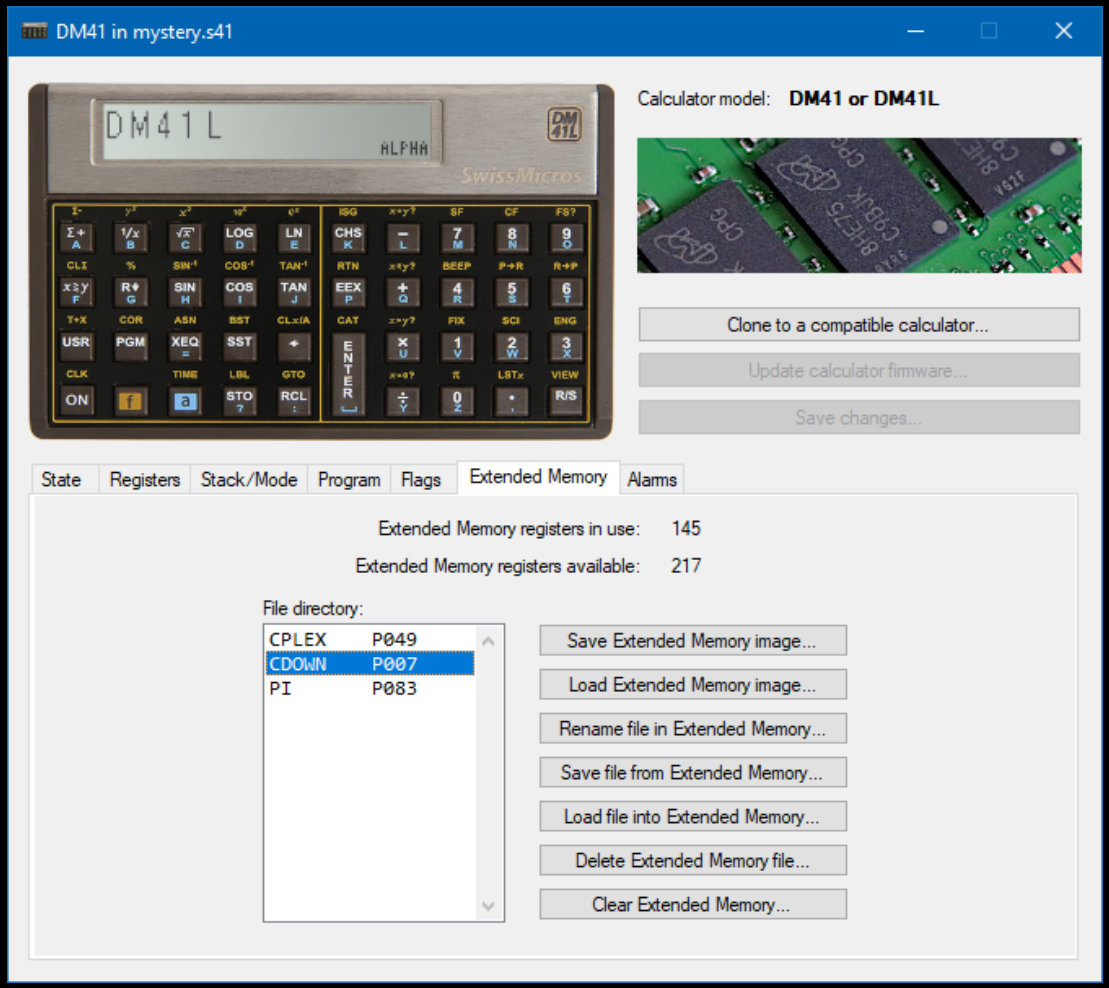

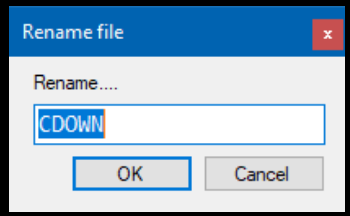

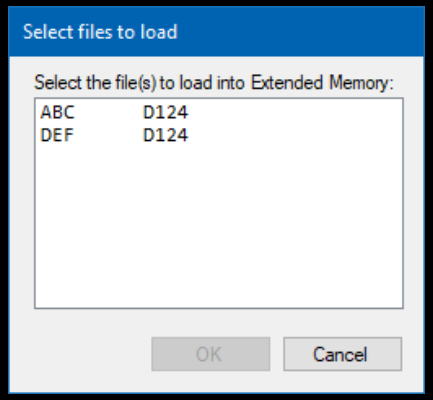

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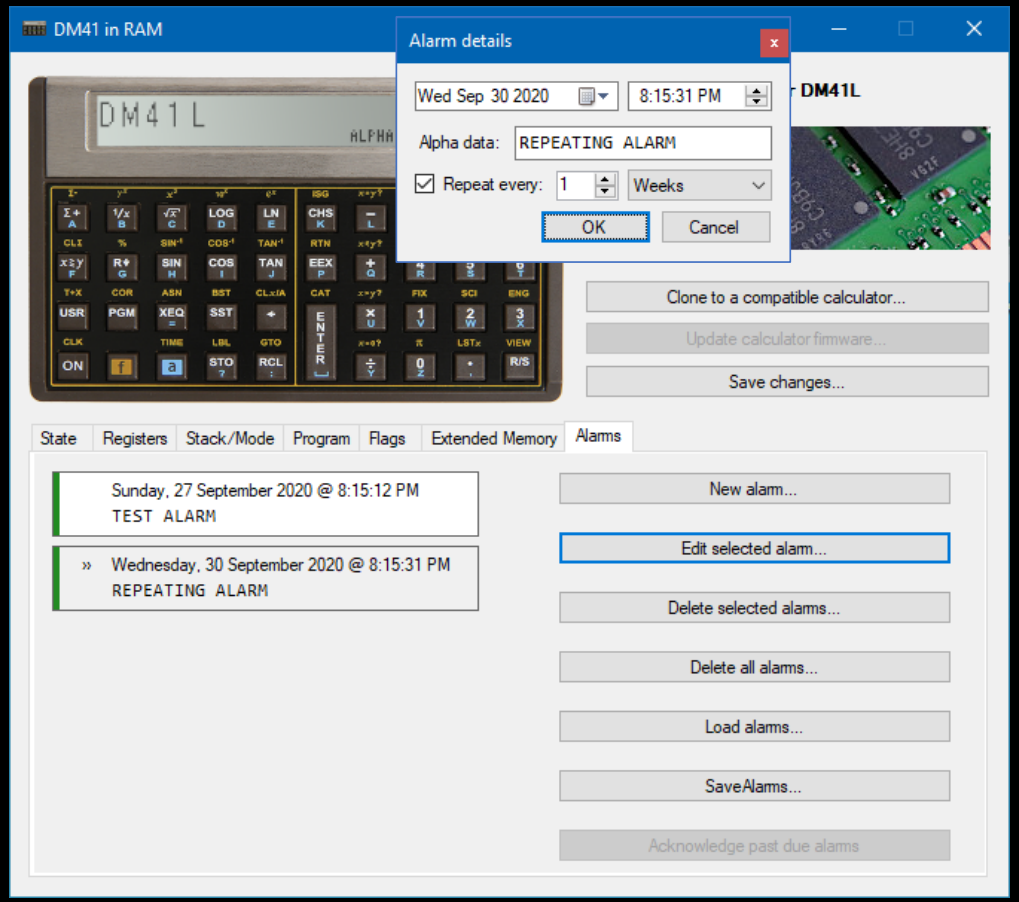

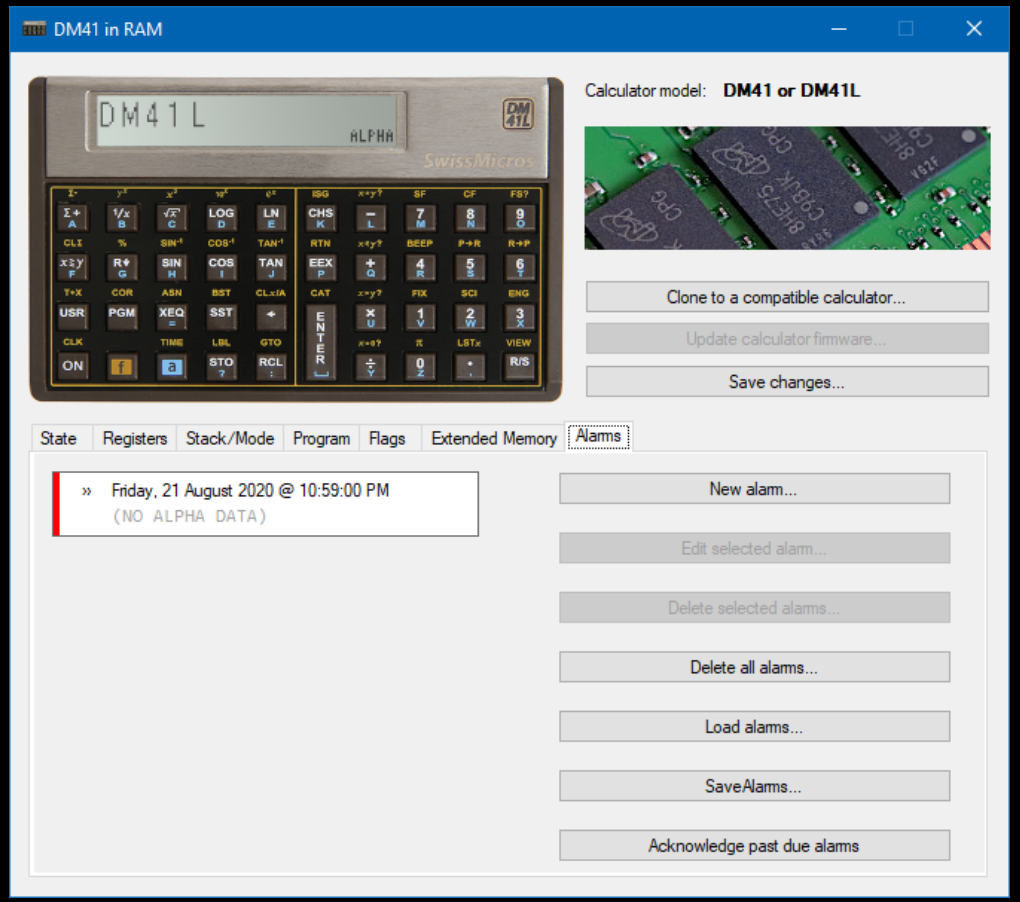

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Roadmap to release

Program decoder almost complete

Program encoder to write

Firmware management (“Beetlejuice” support in fw needed)

Tidy up the UI

Add CSV import/export of matrices

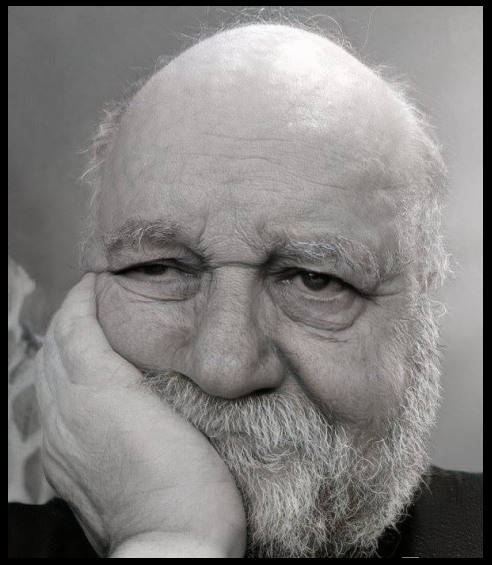
After that…

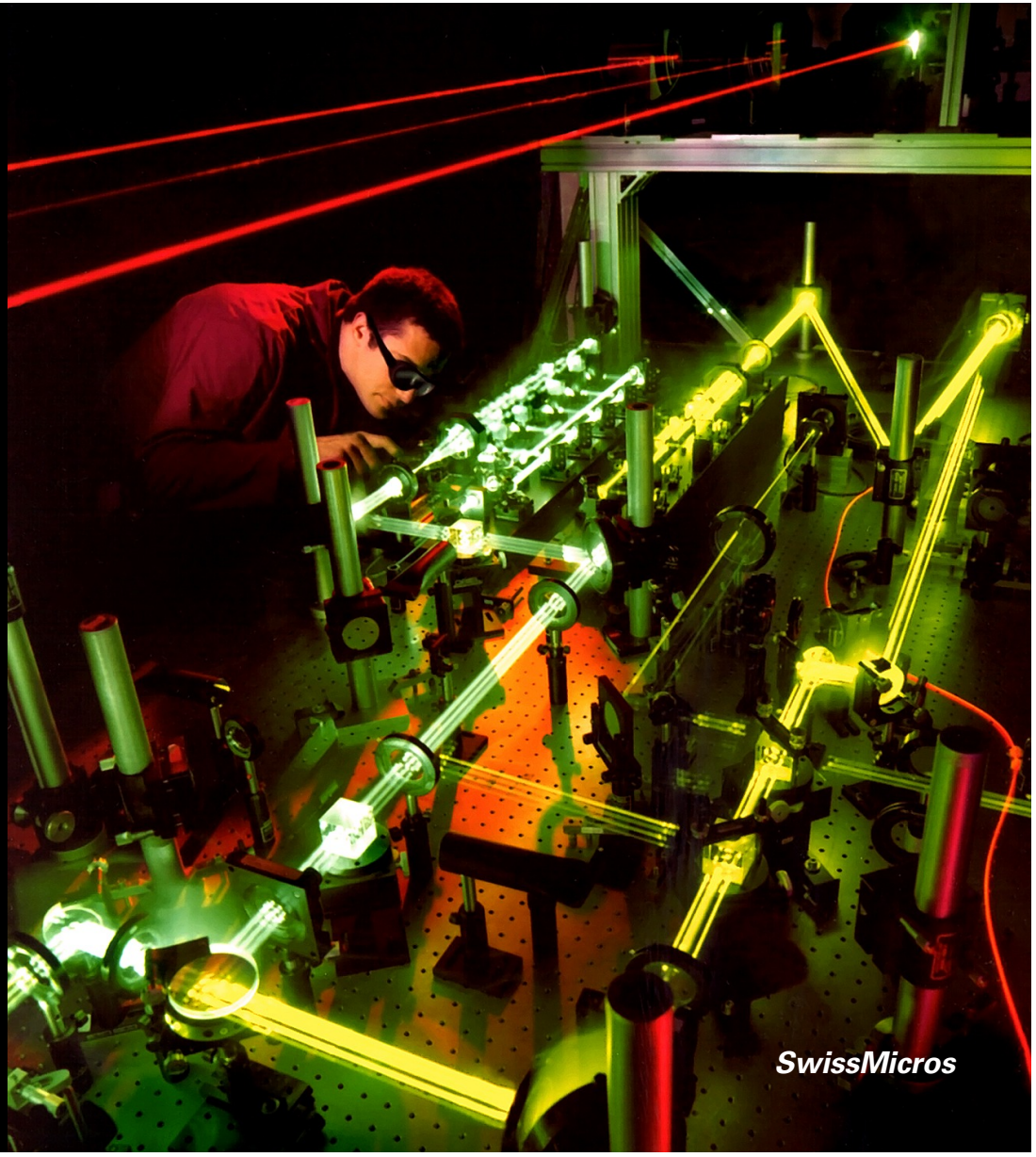
DMConnect is not YET cross-platform. Windows only.

Currently built against .NET 4.7.2

Maybe switch to a GTK+ application

Ideas? …



Godwin Stewart

godwin@swissmicros.com