Tera Term

An Introductory Tutorial

Acknowledgements

This tutorial is prepared by Mohammad Azfar Tariq and Muhammad Usman under the supervision of Dr. Rehan Ahmed for the course EE-222 Microprocessor Systems. Reporting any error or discrepancy found in the tutorial is appreciated.

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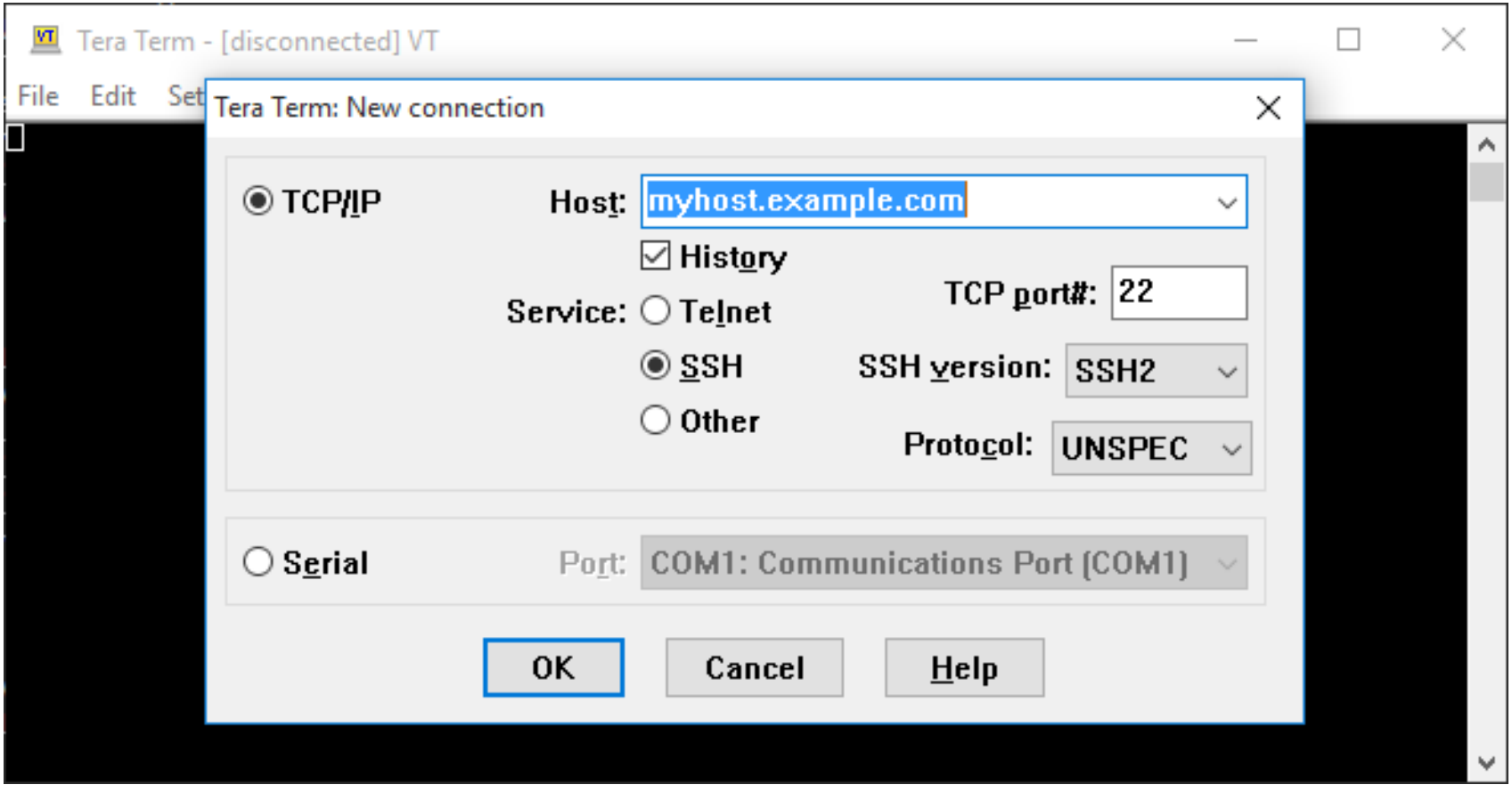
Initialize Settings

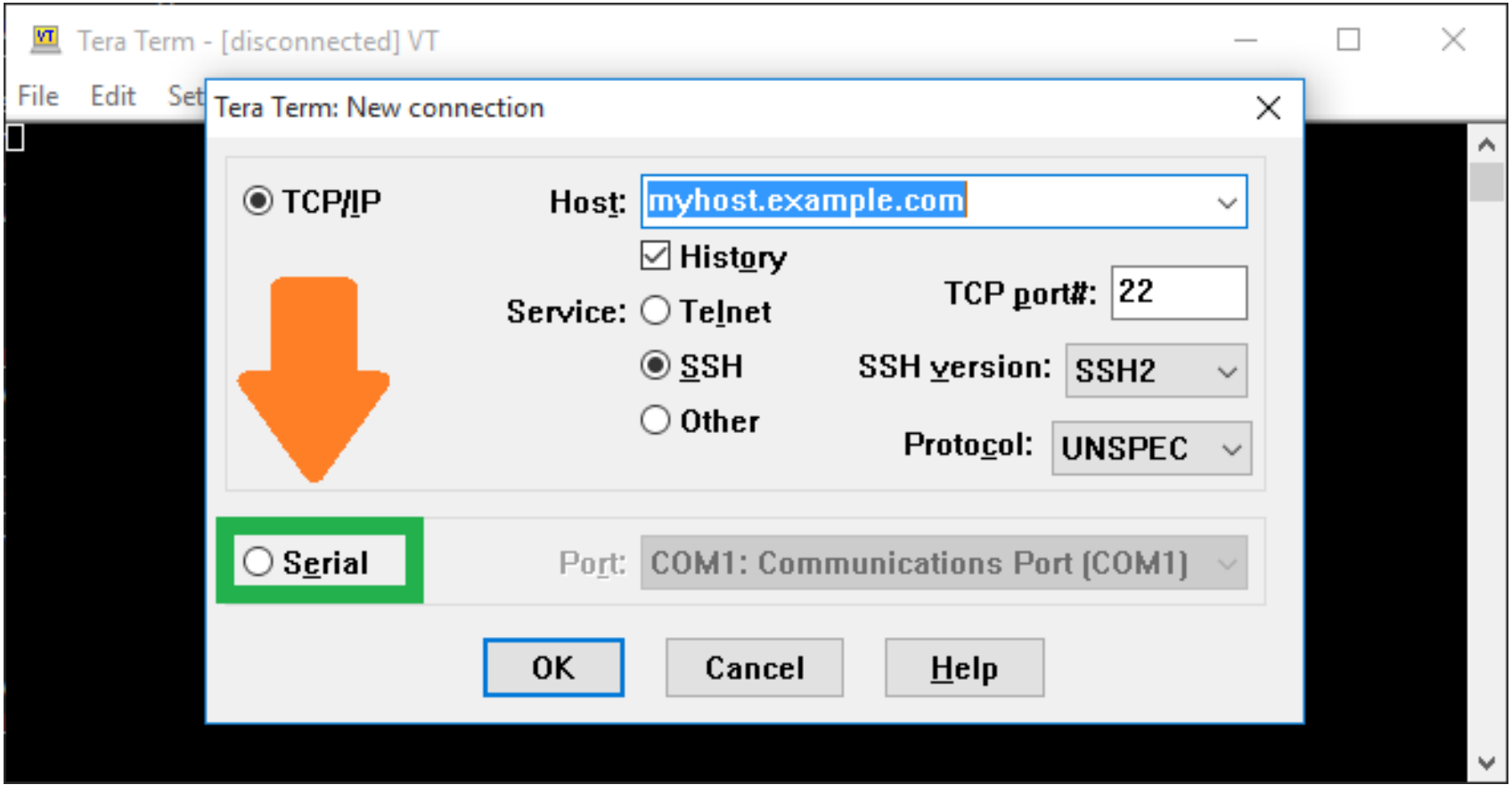
Initialize Settings

Open Tera Term


Tera Term - [disconnected] VT
File
Edit
Set
Tera Term: New connection
TCP/IP
Host:
myhost.example.com
History
Service:
Telnet
SSH
Other
TCP port#:
22
SSH version:
SSH2
Protocol:
UNSPEC
Serial
Port:
COM1: Communications Port (COM1)
OK
Cancel
Help

Initialize Settings

Select Serial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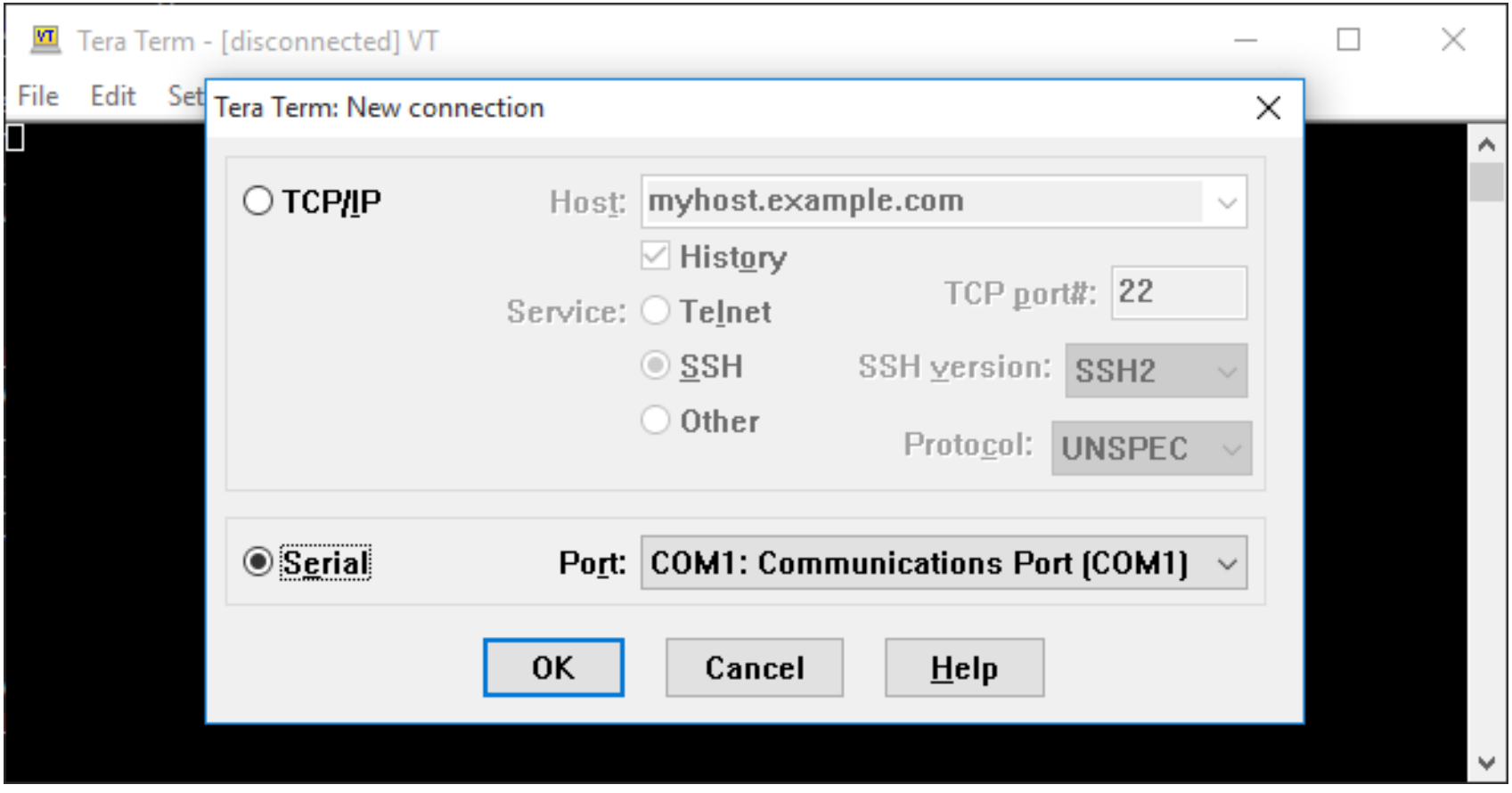
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SSH version:
SSH2
Protocol:
UNSPEC
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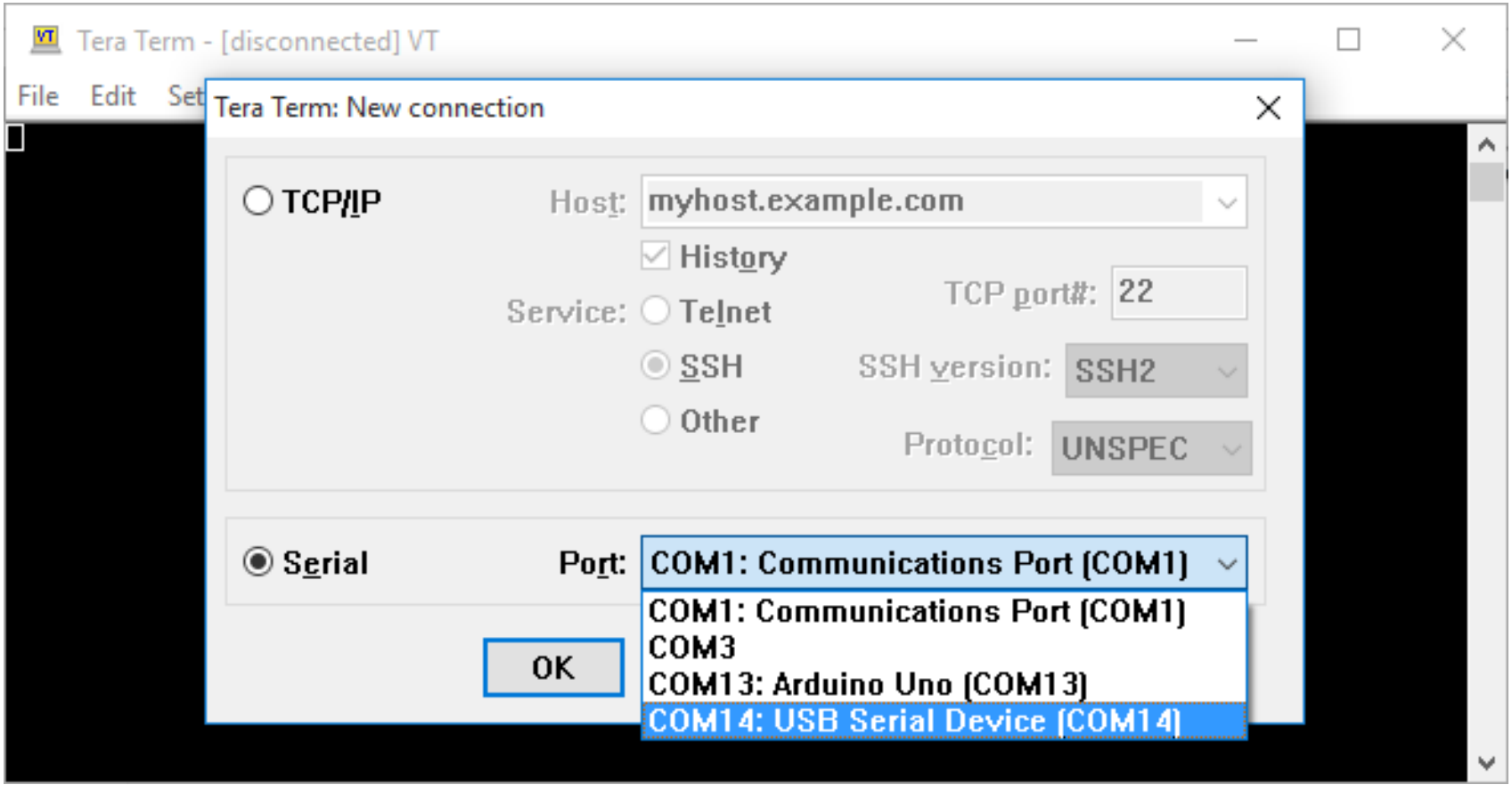
Port:
COM1: Communications Port (COM1)
OK
Cancel
Help

Initialize Settings

Click on Port drop down menu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Telnet
TCP port#:
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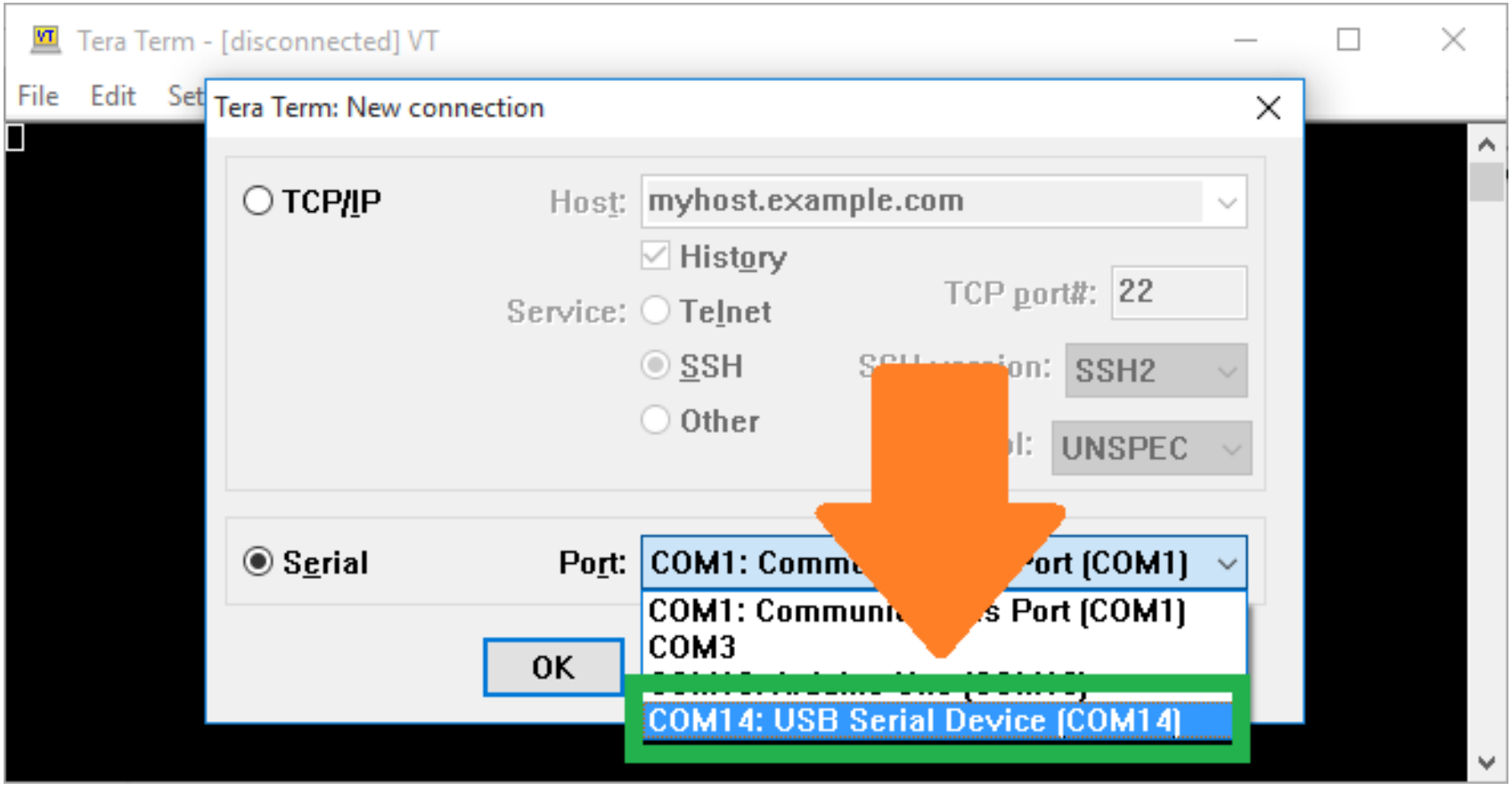
SSH
SSH version:
SSH2
Other
Protocol:
UNSPEC
Serial
Port:
COM1: Communications Port (COM1)
COM1: Communications Port (COM1)
COM3
COM13: Arduino Uno (COM13)
COM14: USB Serial Device (COM14)
OK

Initialize Settings

Select USB Serial Device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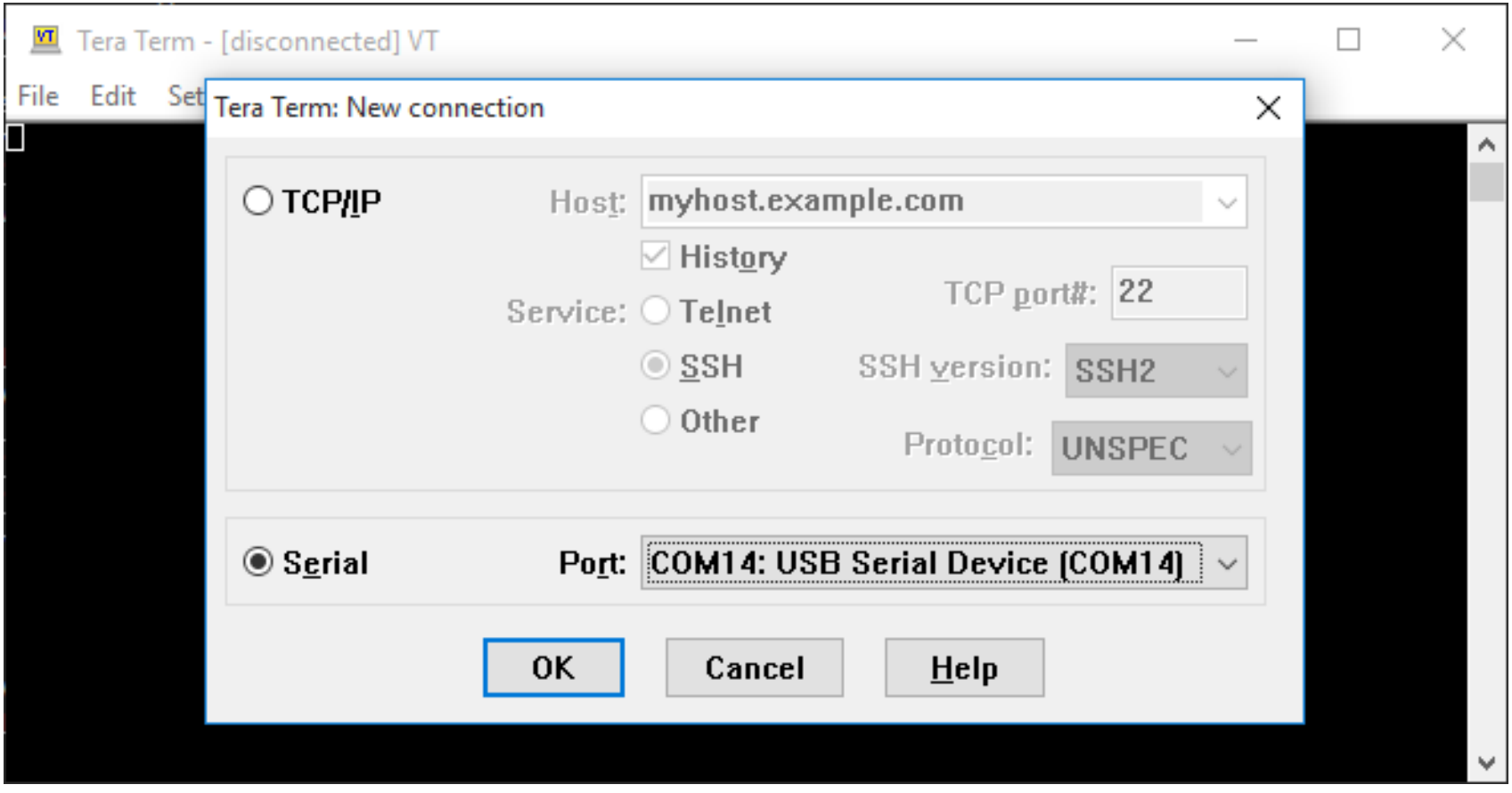
TCP/IP
Host:
myhost.example.com
History
Service:
Telnet
TCP port#:
22
SSH
SSH2
Other
UNSPEC
Serial
Port:
COM1: Comm
Port (COM1)
COM1: Communi
s Port (COM1)
COM3
OK
COM14: USB Serial Device (COM14)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Tera Term: New connection
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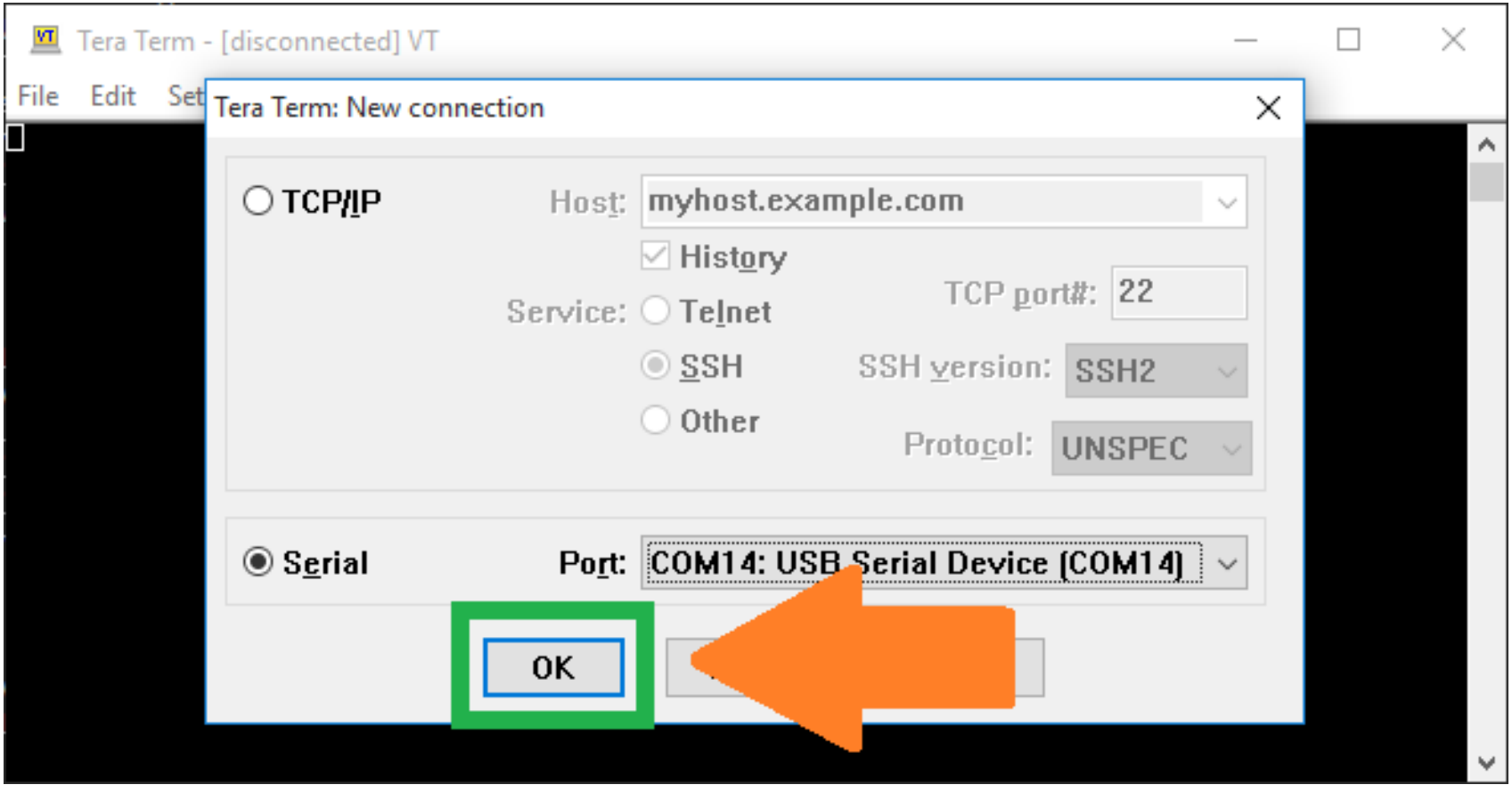
Host:
myhost.example.com
History
Service:
Telnet
TCP port#:
22
SSH
SSH version:
SSH2
Other
Protocol:
UNSPEC
Serial
Port:
COM14: USB Serial Device (COM14)
OK
Cancel
Help

Initialize Settings

Click on ‘OK’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Service:
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TCP port#:
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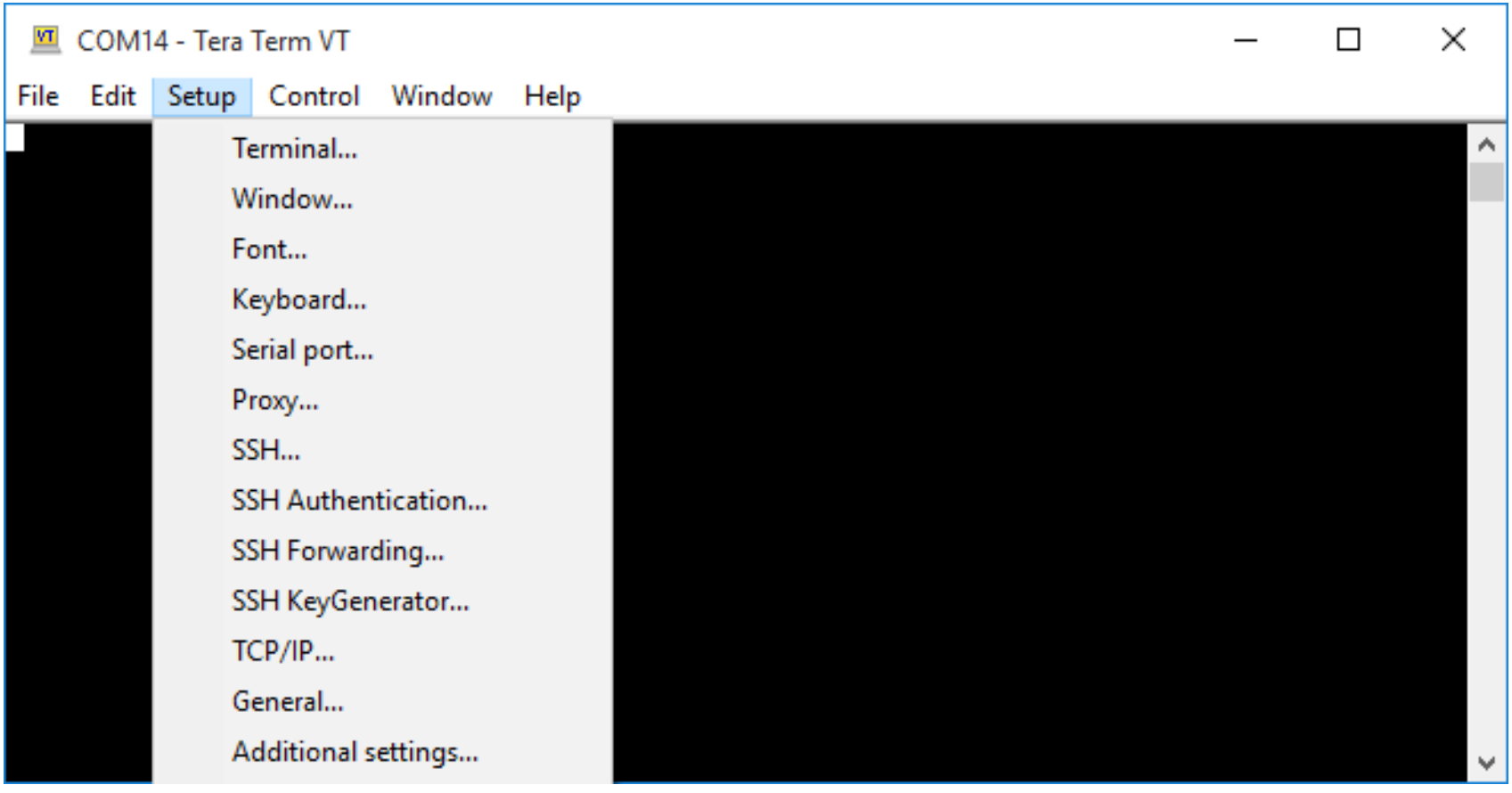
SSH
SSH version:
SSH2
Other
Protocol:
UNSPEC
Serial
Port:
COM14: USB Serial Device (COM14)
OK

UART Configurations

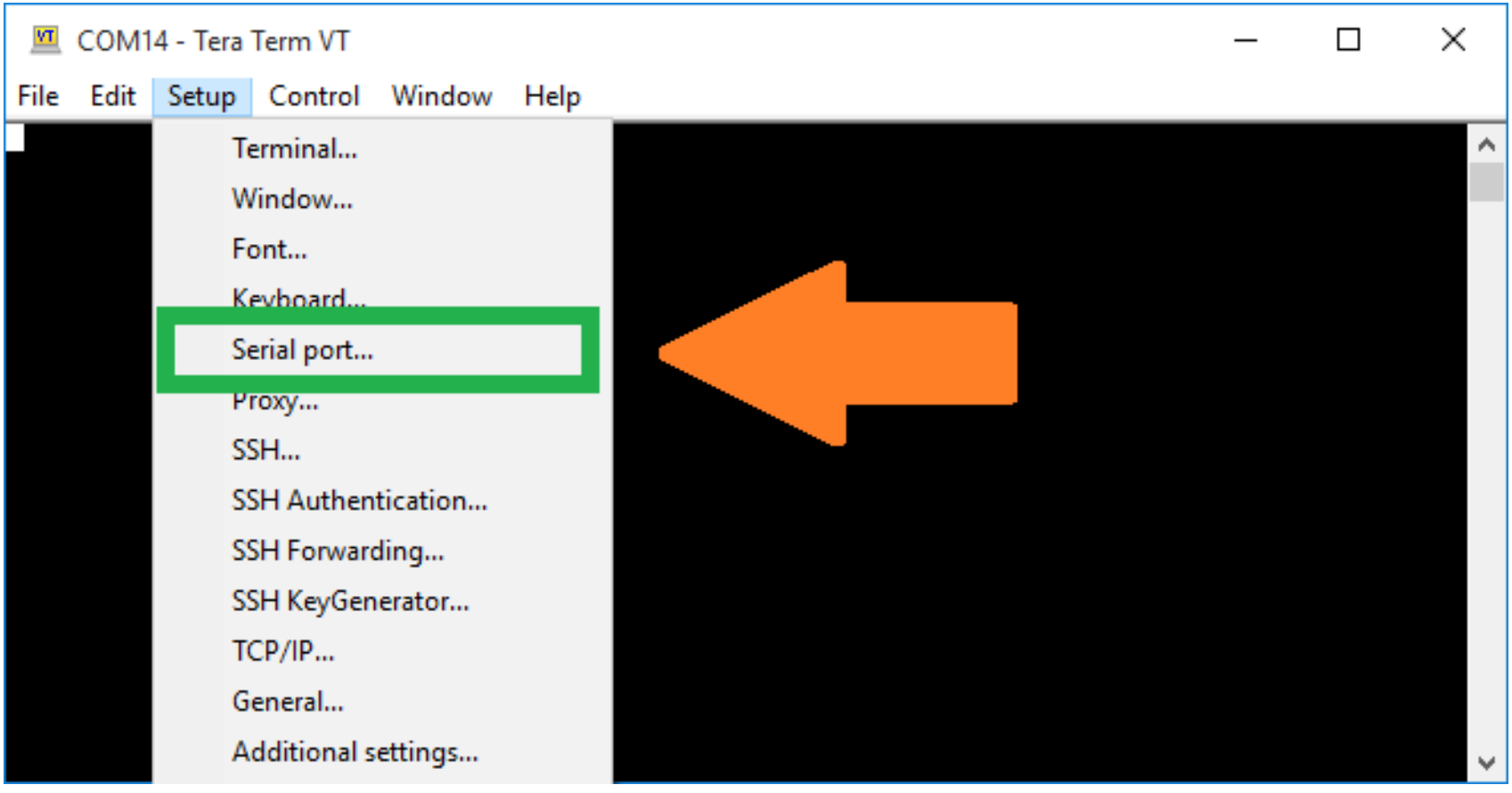
UART Configurations

Click on Setup in menu bar.


COM14 - Tera Term VT
File
Edit
Setup
Control
Window
Help
Terminal...
Window...
Font...
Keyboard...
Serial port...
Proxy...
SSH...
SSH Authentication...
SSH Forwarding...
SSH KeyGenerator...
TCP/IP...
General...
Additional settings...

UART Configurations

Select Serial port...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Window...
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General...
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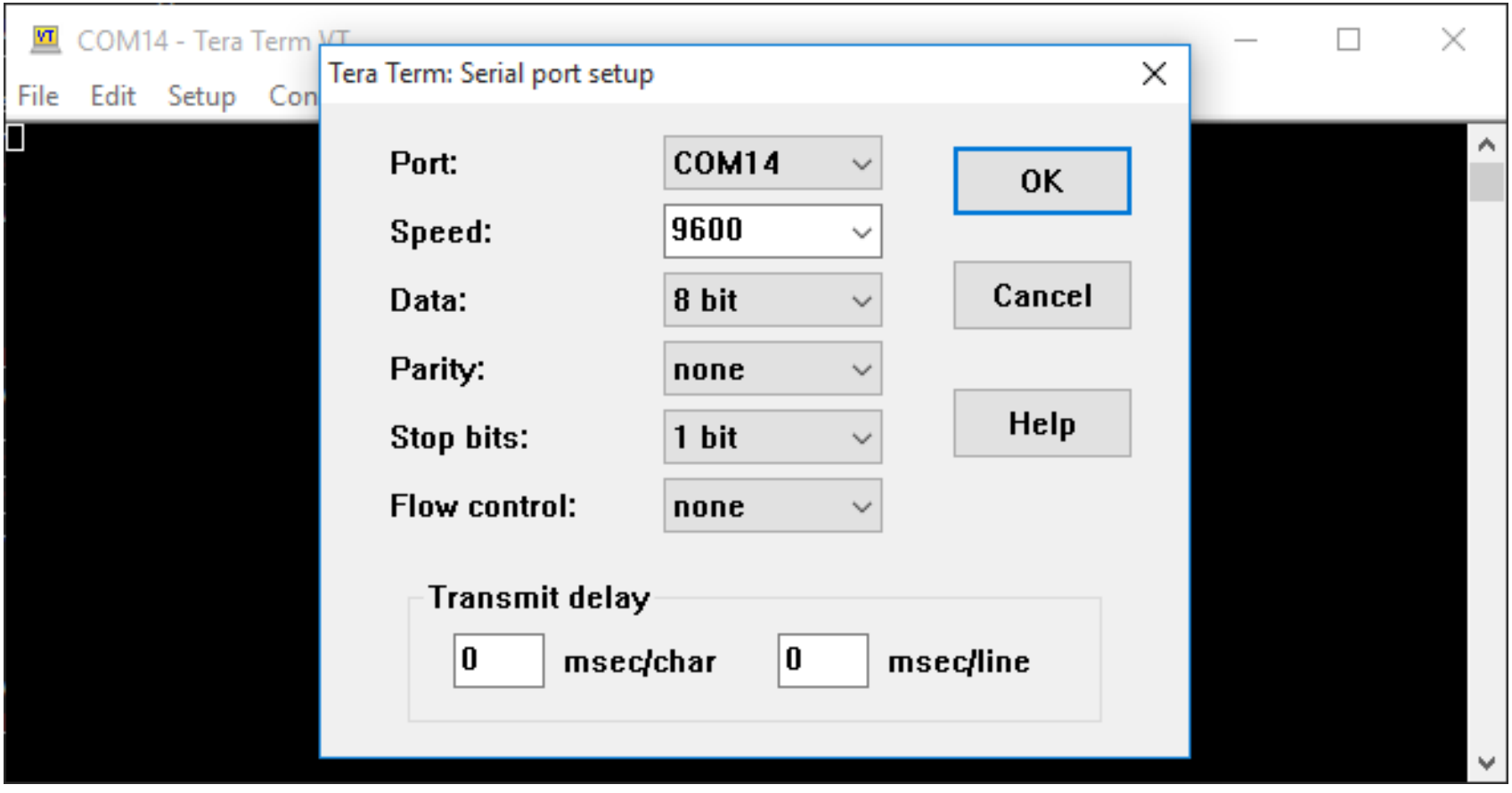
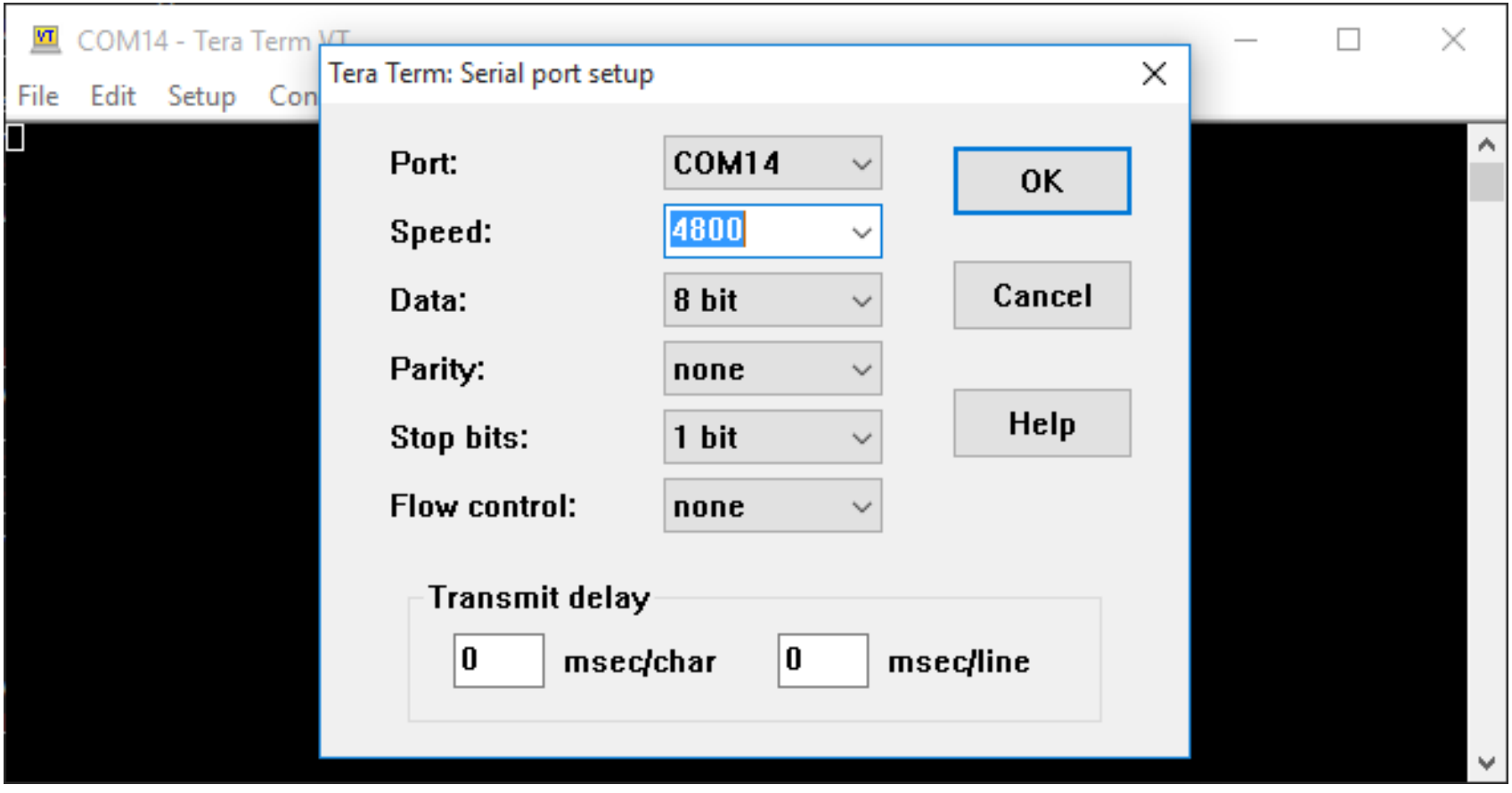

COM14 - Tera Term VT
File
Edit
Setup
Con
Tera Term: Serial port setup
Port:
COM14
Speed:
9600
Data:
8 bit
Parity:
none
Stop bits:
1 bit
Flow control:
none
OK
Cancel
Help
Transmit delay
0
msec/char
0
msec/line

UART Configurations

- Port: Unchanged (just selected USB Serial Device)
- Speed: 4800
- Data: 8 bit
- Stop bits: 1 bit
- Flow control: none
- Transmit delay: 0 msec/char, 0 msec/line


COM14 - Tera Term VT
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Tera Term: Serial port setup
Port:
COM14
Speed:
4800
Data:
8 bit
Parity:
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Stop bits:
1 bit
Flow control:
none
OK
Cancel
Help
Transmit delay
0
msec/char
0
msec/line

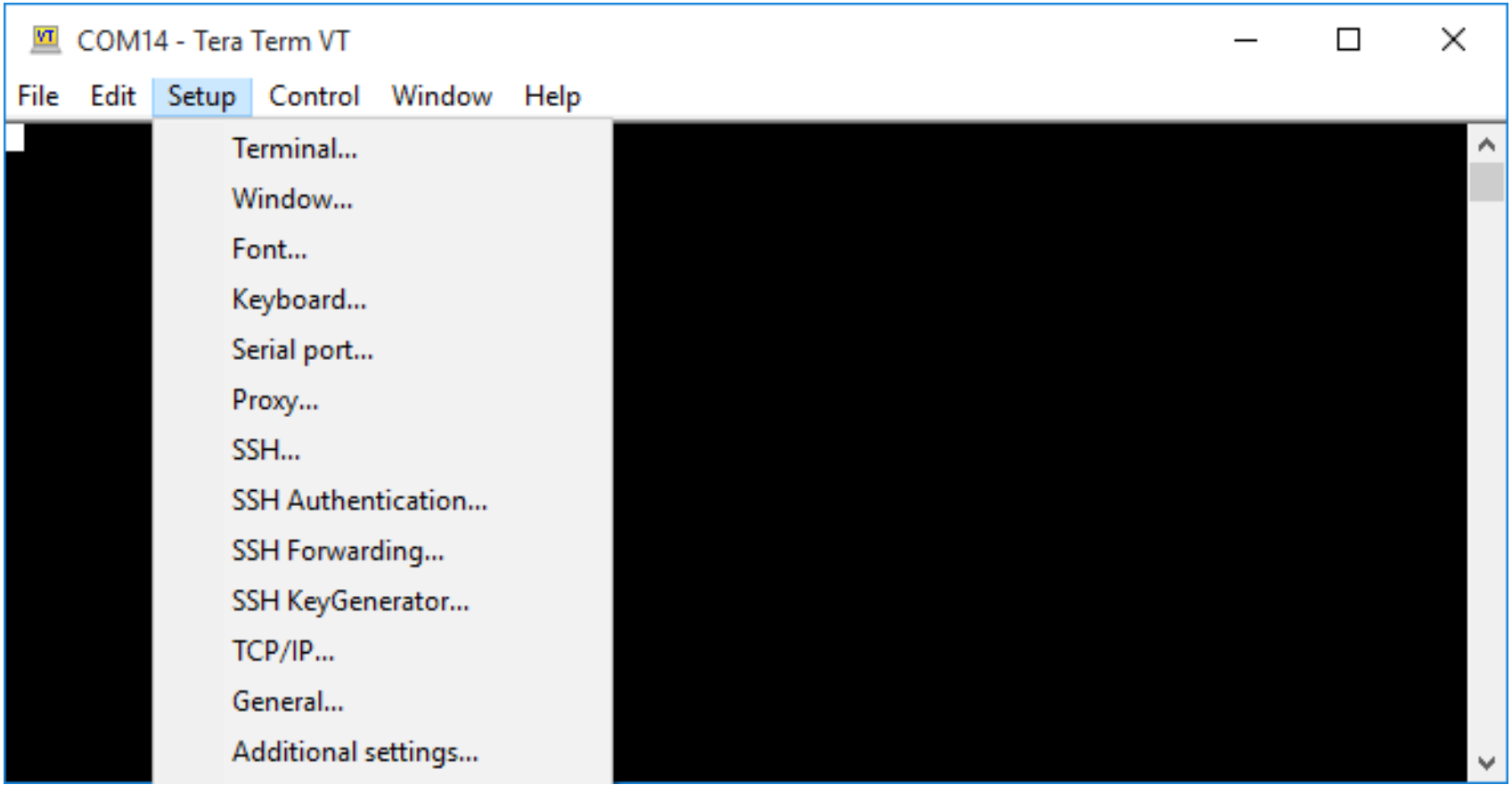
Display Transmitted Data

Display Transmitted Data

- Everything you type in Tera Term is being sent over UART.
- This sent data cannot be seen on the black screen by default.
- Local echo needs to be enabled to see the data sent through Tera Term.

Display Transmitted Data

Click on Setup in menu bar.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SSH Authentication...
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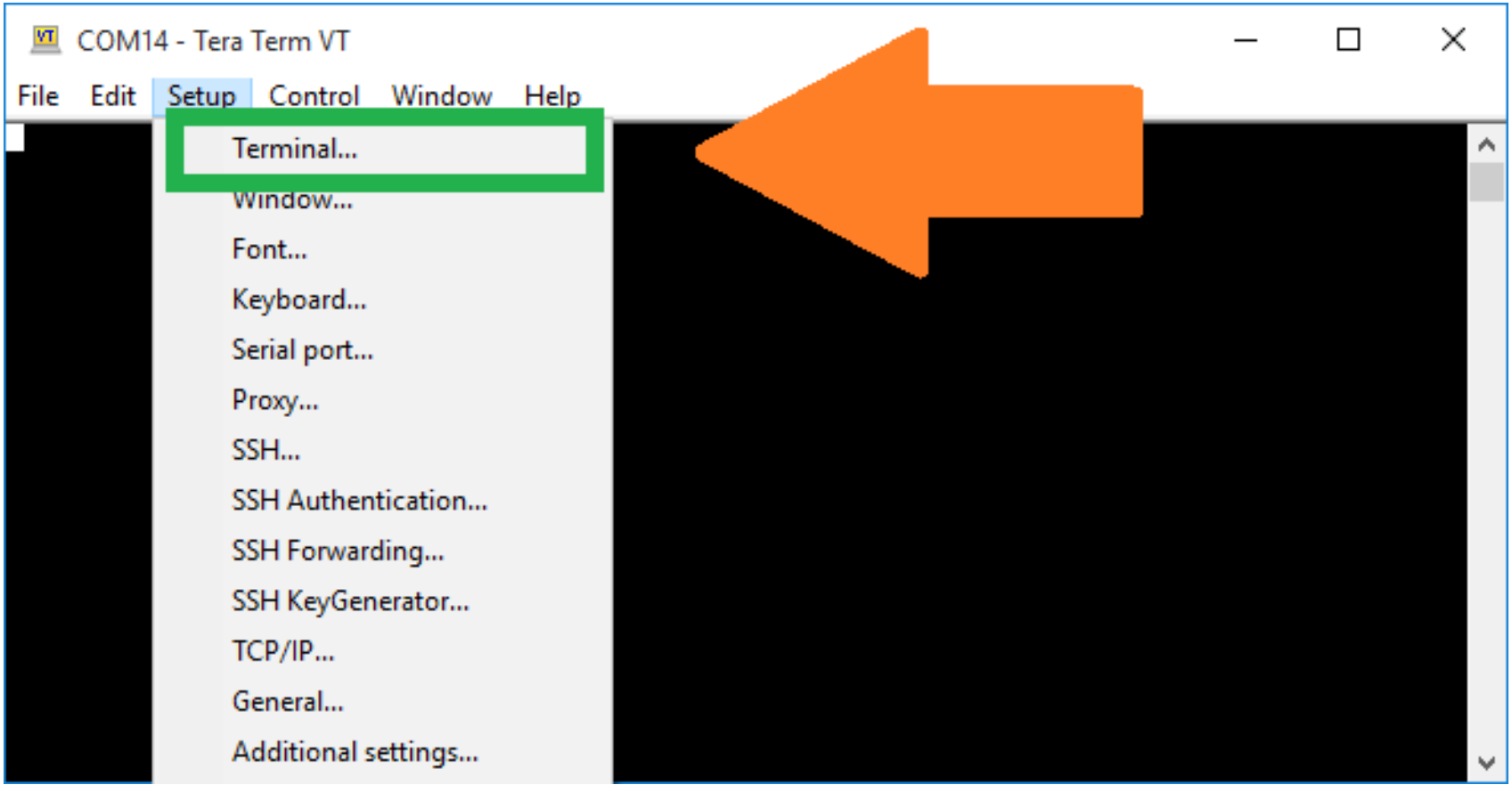
SSH KeyGenerator...
TCP/IP...
General...
Additional settings...

Display Transmitted Data

Select Terminal...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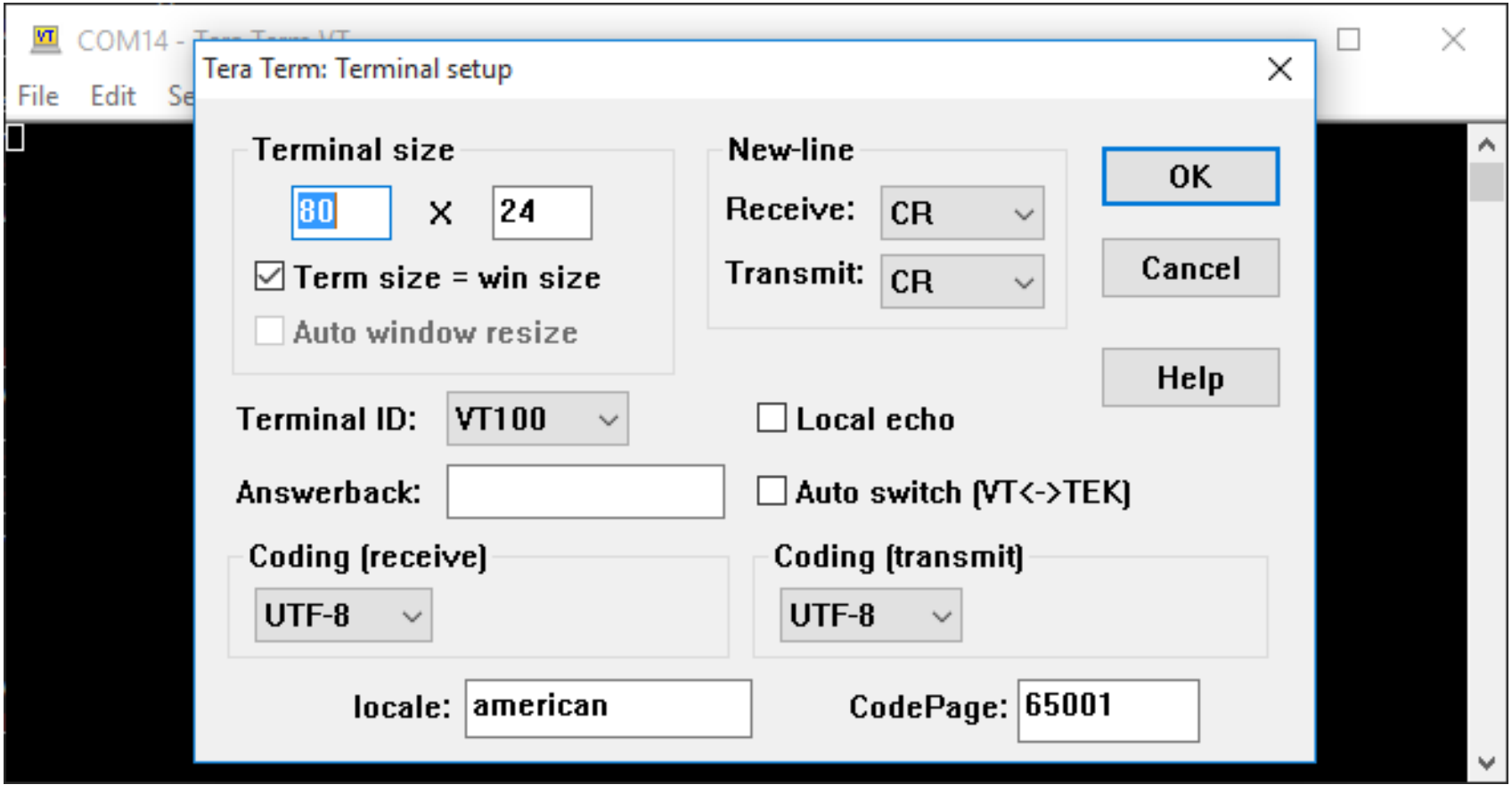
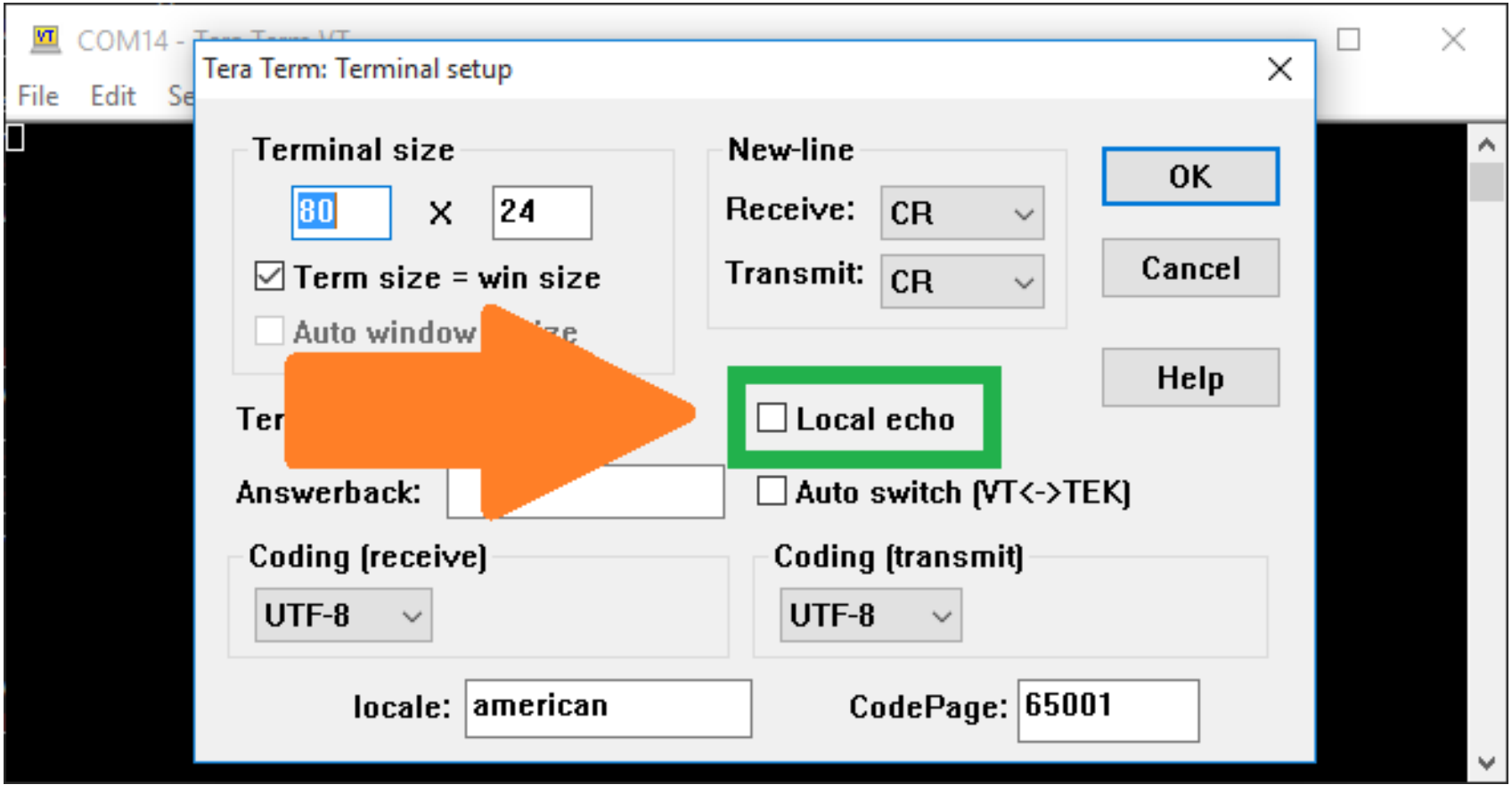

COM14 -
File
Edit
Tera Term: Terminal setup
Terminal size
80
X
24
Term size = win size
Auto window resize
New-line
Receive:
CR
Transmit:
CR
OK
Cancel
Help
Terminal ID:
VT100
Local echo
Answerback:
Auto switch (VT<->TEK)
Coding (receive)
UTF-8
Coding (transmit)
UTF-8
locale:
american
CodePage:
65001

Display Transmitted Data

Check Local echo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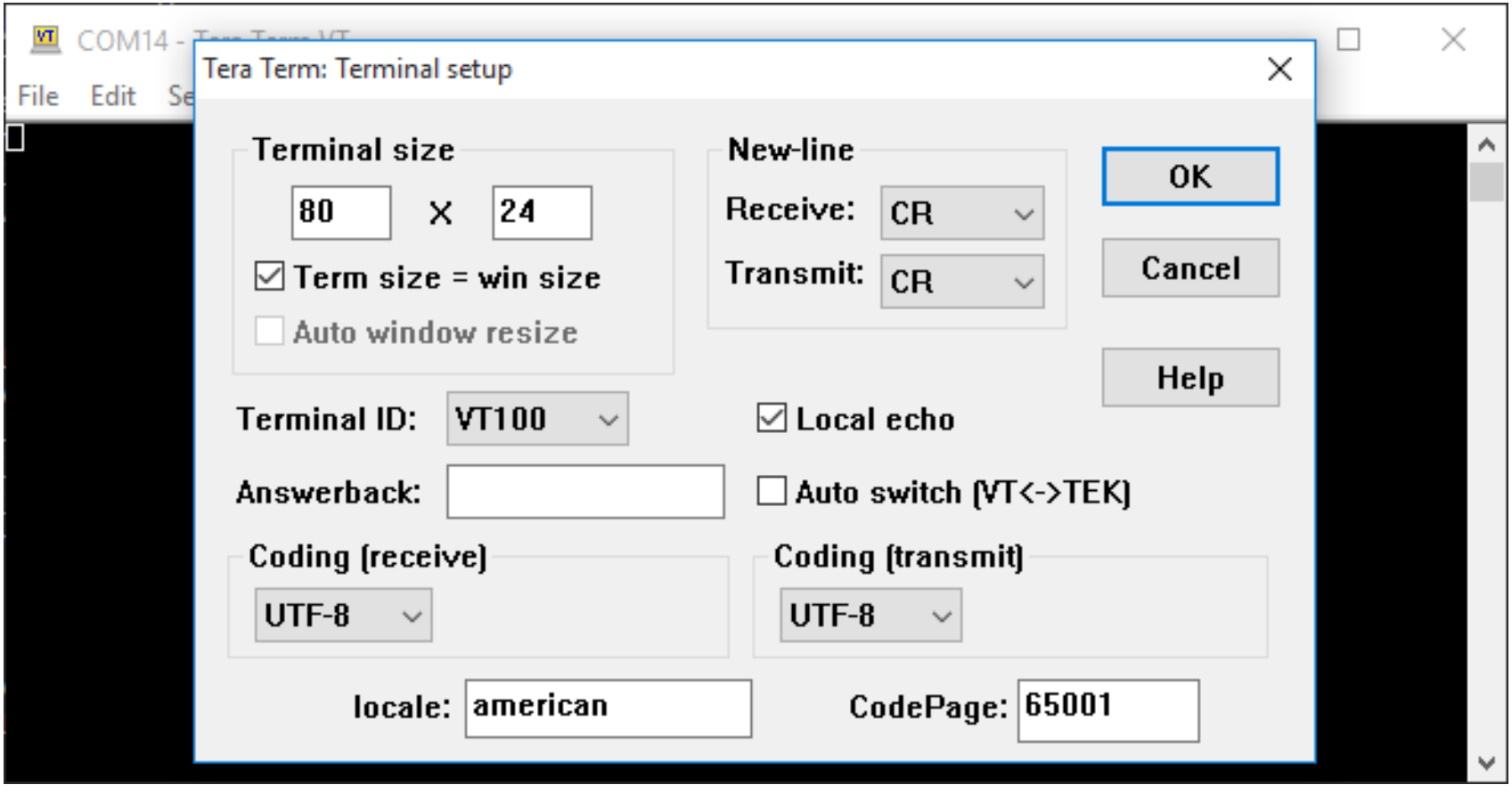
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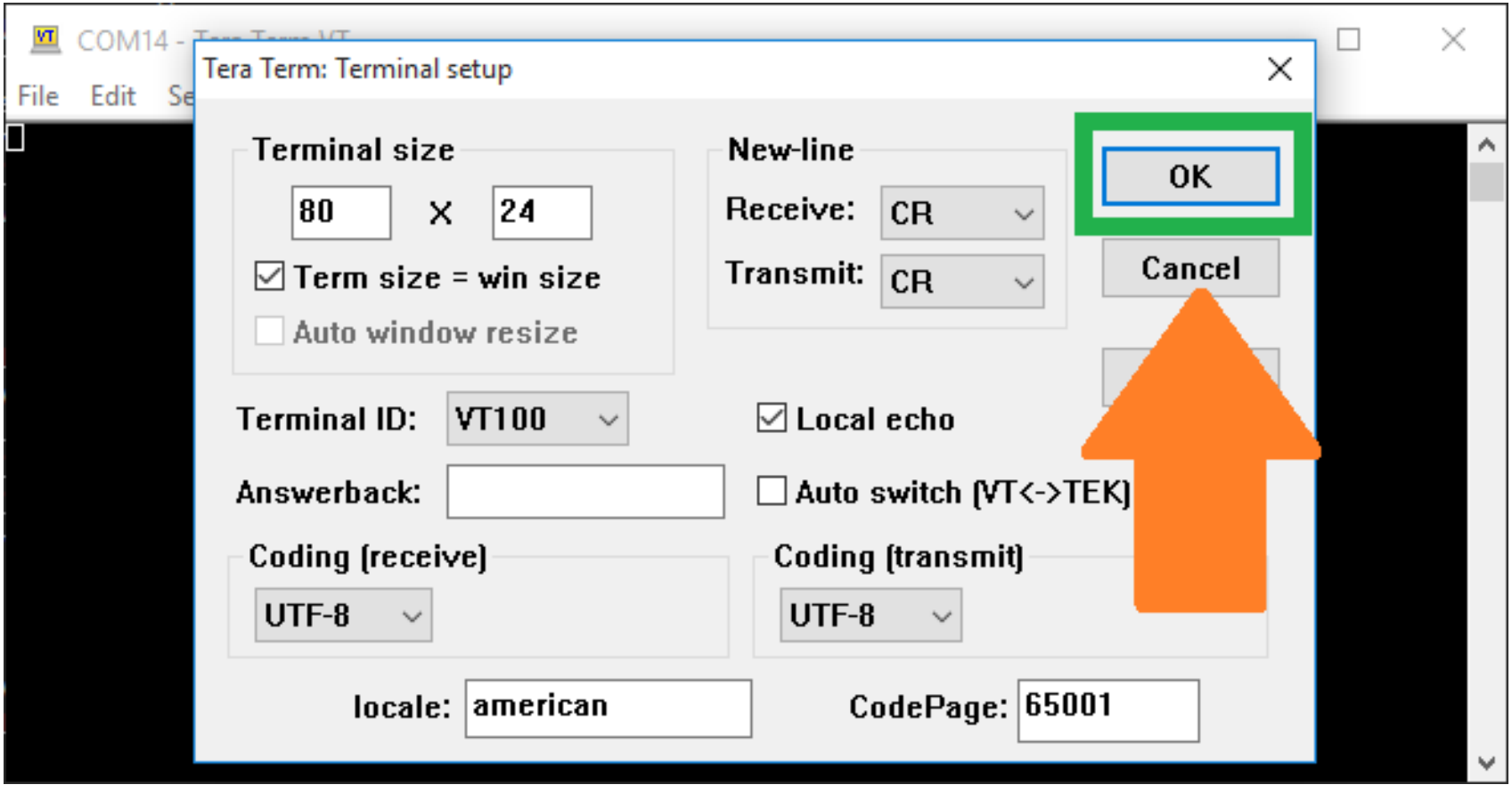
CodePage:
65001

Display Transmitted Data

Click on ‘OK’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Auto switch (VT<->TEK)
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Tera Term Interface

Now you can observe the send data.

Thank You ☺