



GOT1020 Terminal

Quick Start Guide for
GT1020-LBD



Notes

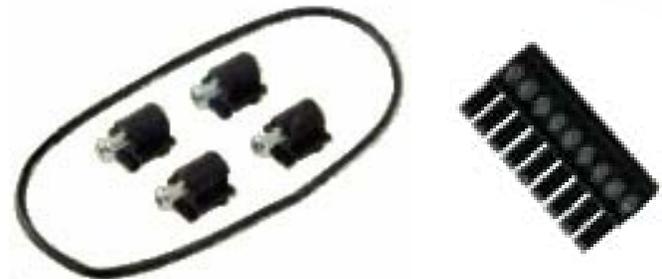


- In the following Quick Start guide, we will configure a system using the GT1020-LBD (RS422,24VDC) connected directly to the RS422 port of the FXCPU.
- Other configurations are available including connections to QCPU, ACPUC and C24 using RS232, RS422 and Multi-drop connections.
- In this guide, we will focus on one of the more popular HMI solutions offered...

STEP 1



- Select the Terminal
 - GT1020-LBD (RS422,24VDC)
 - GT1020-LBL (RS422,5VDC)
 - GT1020-LBD2 (RS232,24VDC)
- Locate GT1020 Mounting Packaging
 - (1) Rubber Gasket
 - (4) Mounting Clips
 - (1) Communication Terminal IF



STEP 2



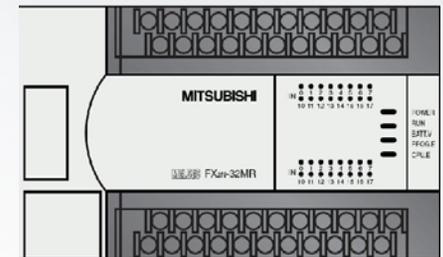
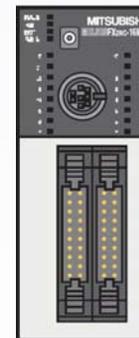
- Select communication cable to FXCPU RS422 Port (or RS422 BD option)
- GT10-C□ □ □R4-8P
 - GT10-C10R4-8P (1 Meter)
 - GT10-C30R4-8P (3 Meter)
 - GT10-C100R4-8P (10 Meter)
 - Cable feature Open Leads : 8 Pin mini



STEP 3



- Select FXCPU Controller
 - FX3U-□ □ M(R/T)/ES
 - FX2N(C)-□ □ M(R/T)/ES/UL
 - FX1N-□ □ M(R/T)-ES/UL
 - FX1S-□ □ M(R/T)-ES/UL
- Our connection will be made through the RS244 port (8pin mini) or Optional RS422 BD board
 - FX3U-422-BD
 - FX2N-422-BD
 - FX1N-422-BD



STEP 4



- Select Programming Cable
 - Option #1 for Serial connections (9pin, RS232)
 - SC-Q or GT01-C30R2-6P
 - Option #2 for USB connections (USB mini)
 - USB/Serial Converter and USB Cable
 - GT01-RS2TUSB-5S
 - GT09-C30USB-5P



SC-Q or GT01-C30R2-6P



GT10-RS2TUSB-5S

GT09-C30USB-5P

STEP 5



- Computer/Laptop/PC
 - Windows XP
 - ME,NT,2K,98 can be supported
 - Pentium 300MHz or higher
 - 100MB or higher Free HD
 - CD-Rom Drive
 - 800*600 Monitor or better resolution
 - Mouse, Keyboard, etc.

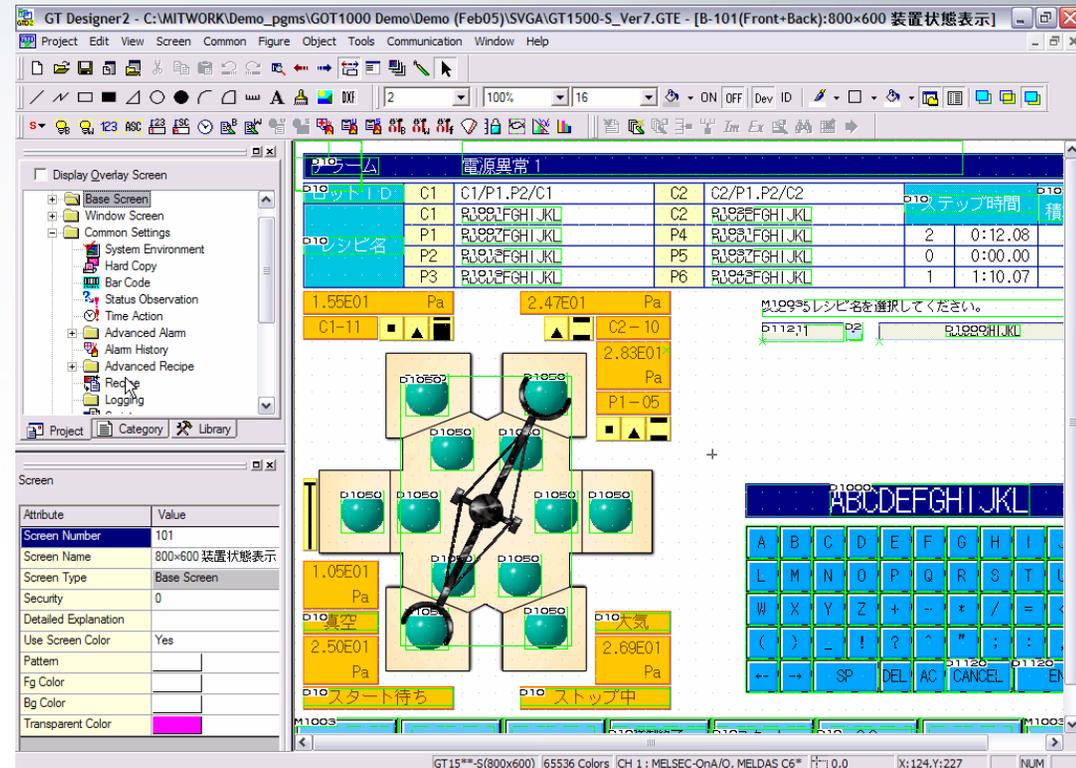


STEP 6



- GT-Works2 software Suite

- GT-Designer2
 - MUST have Version 2.43V or later to support GT1020!!
- GT-Simulator2
- GT-Converter2

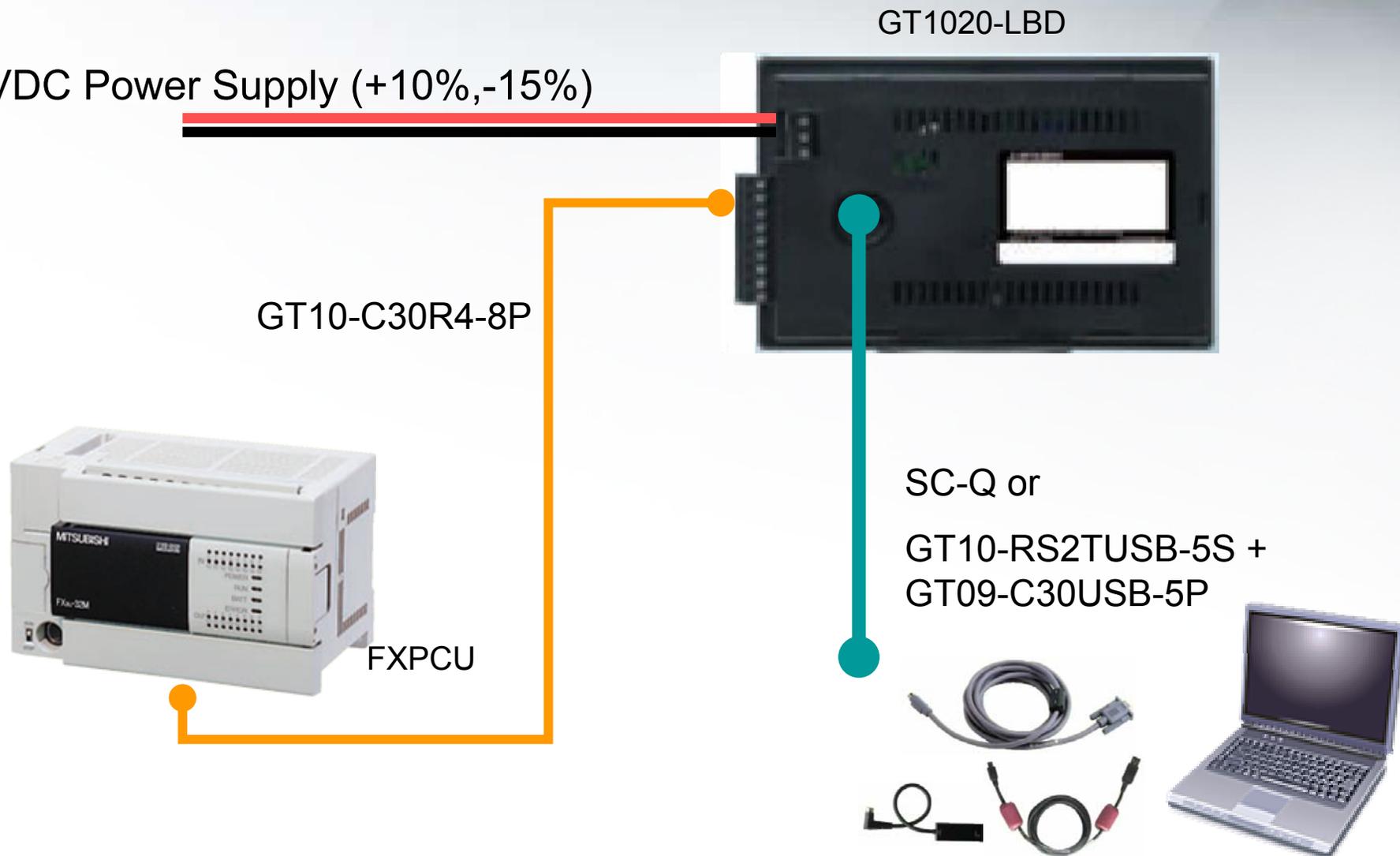


Successful Configuration Example



• GT1020-LBD with RS422 CONNECTION

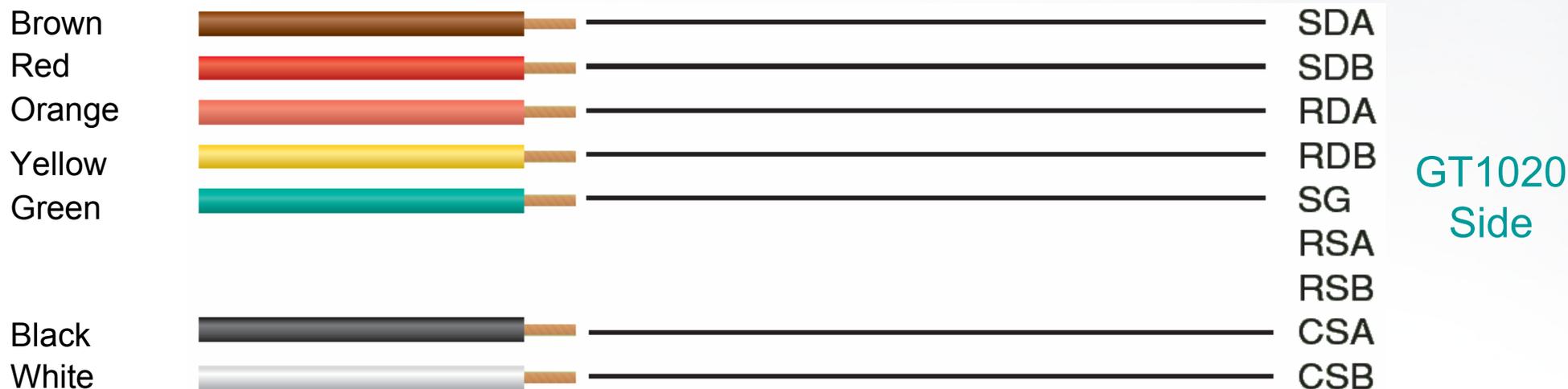
24VDC Power Supply (+10%,-15%)



Successful Configuration Example



- FXCPU (RS422) Communication Cable in more detail
 - (GT10-C□ □ □R4-8P)



Need More Help?



- Refer to the GOT1000 Connections Manual for more information on RS422 and RS232 solutions
 - SH(NA)-080532
- Refer to the GT1020 User's Manual for more Specifications and General Installation information
 - JY997D24701
- Visit www.MEAU.com for Demo Projects and other examples
 - Downloads> Programming Examples



GOT1020 Terminal

Quick Start Guide for
GT1020 LBD



Notes

- In the following Quick Start guide, we will configure a system using the GT1020-LBD (RS422,24VDC) connected directly to the RS422 port of the FXCPU.
- Other configurations are available including connections to QCPU, ACPU and C24 using RS232, RS422 and Multi-drop connections.
- In this guide, we will focus on one of the more popular HMI solutions offered...




STEP 1

- Select the Terminal
 - GT1020-LBD (RS422,24VDC)
 - GT1020-LBL (RS422,5VDC)
 - GT1020-LBD2 (RS232,24VDC)
- Locate GT1020 Mounting Packaging
 - (1) Rubber Gasket
 - (4) Mounting Clips
 - (1) Communication Terminal IF






STEP 2

- Select communication cable to FXCPU RS422 Port (or RS422 BD option)
- GT10-C□□□R4-8P
 - GT10-C10R4-8P (1 Meter)
 - GT10-C30R4-8P (3 Meter)
 - GT10-C100R4-8P (10 Meter)
 - Cable feature Open Leads : 8 Pin mini





STEP 3

- Select FXCPU Controller
 - FX3U-□ □ M(R/T)/ES
 - FX2N(C)-□ □ M(R/T)/ES/UL
 - FX1N-□ □ M(R/T)-ES/UL
 - FX1S-□ □ M(R/T)-ES/UL
- Our connection will be made through the RS244 port (8pin mini) or Optional RS422 BD board
 - FX3U-422-BD
 - FX2N-422-BD
 - FX1N-422-BD




STEP 4

- Select Programming Cable
 - Option #1 for Serial connections (9pin, RS232)
 - SC-Q or GT01-C30R2-6P
 - Option #2 for USB connections (USB mini)
 - USB/Serial Converter and USB Cable
 - GT01-RS2TUSB-5S
 - GT09-C30USB-5P





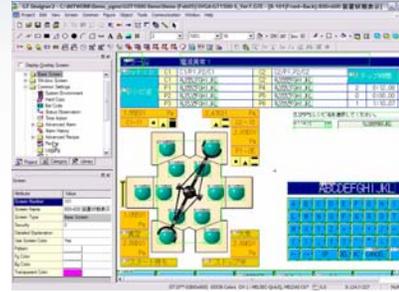
STEP 5

- Computer/Laptop/PC
 - Windows XP
 - ME,NT,2K,98 can be supported
 - Pentium 300MHz or higher
 - 100MB or higher Free HD
 - CD-Rom Drive
 - 800*600 Monitor or better resolution
 - Mouse, Keyboard, etc.




STEP 6

- GT-Works2 software Suite
 - GT-Designer2
 - **MUST have Version 2.43V or later to support GT1020!!**
 - GT-Simulator2
 - GT-Converter2





Successful Configuration Example

• **GT1020-LBD with RS422 CONNECTION**

24VDC Power Supply (+10%,-15%)

GT1020-LBD

GT10-C30R4-8P

FXPCU

SC-Q or
GT10-RS2TUSB-5S +
GT09-C30USB-5P

MITSUBISHI ELECTRIC
AUTOMATION, INC.

Successful Configuration Example

• **FXCPU (RS422) Communication Cable in more detail**
- (GT10-C□□□R4-8P)

Brown	SDA
Red	SDB
Orange	RDA
Yellow	RDB
Green	SG
Black	RSA
White	RSB
	CSA
	CSB

GT1020 Side

MITSUBISHI ELECTRIC
AUTOMATION, INC.

Need More Help?

- Refer to the [GOT1000 Connections Manual](#) for more information on RS422 and RS232 solutions
 - SH(NA)-080532
- Refer to the [GT1020 User's Manual](#) for more Specifications and General Installation information
 - JY997D24701
- Visit www.MEAU.com for Demo Projects and other examples
 - Downloads> Programming Examples

MITSUBISHI ELECTRIC
AUTOMATION, INC.