Basic Programming Tutorial

The ProTalk Link Basic Programming Tutorial will walk you through the steps needed to configure a basic database using 3 modules: the M1 (Main module), the T1 (Callout module) and the D1 (Digital input expansion module). This example illustrates programming one alarm input and one voice callout number. The contents of the Product CD should be installed to your PC before using this tutorial.

Configure The Database

The ProTalk Link can be configured using the PC software or a by using a touch-tone phone connected to the PGM port. This example uses the Database Editor (PC software). For information on handset programming, follow the examples in the manual.

Attach the program cable, apply power to the M1 (12V or 24V) and open the Database Editor:

🗊 ProTalk LINK Database Editor - C:\Projects\B1285\Basic Programming Tutorial.DAT							• • • • • •
<u>File</u> Hard <u>w</u> are <u>O</u> peration	Connec	t <u>H</u>	elp				
🛎 🖬 🧮 📲 🔌	0 🗊	<u></u>	La		Quick setup	o check list. Press START to begin.	▼ 🗲 START
1 HARDWARE 2 OPERATION 3 CONNECT	Modu	ule Pro odule : Syste	pperties: B1285-M1 (add Settings Site Information m Alarms 1. Vocabulary memory en 2. Database memory en 3. User voice memory e	ress=0) n] error ror rror			
► (0) B1285-M1	Mode	ule 1/0	Llock memory error Expander failure				
	Ref	170	Name		Group	Description	
	0-1	1	Battery Voltage	Voltage Input		disabled	
	0-2	2	Power Failure	Digital Input		disabled	
	0-3	3	System Alarm	Internal Status		Internally generated	
	0-4	4	Module Major	Internal Status		Internally generated	
	0-5	5	Module Minor	Internal Status		Internally generated	
	0-6	1	Auto Relay 1	Auto Relay		New Alarm Exists in Group 1	
	0.7	2	Auto Relay 2	Auto Relay		Error Condition Exists	
	0-8		Active Shift	Shift Status	•	Current Shift	
	0.9		Group 1 Status	Group Status	•	Coded Status	
	0-10		Group 2 Status	Group Status		Coded Status	
	0-11		Group 3 Status	Group Status		Coded Status	
	0.12		Group 4 Status	Group Status		Coded Status	
	0.13		Group 5 Status	Group Status		Coded Status	
	0.14		Group 6 Status	Group Status	•	Coded Status	
	0.15		Group 7 Status	Group Status		Coded Status	
	0-16		Group 8 Status	Group Status	•	Coded Status	~



Basic Programming Tutorial

Press the 'Add/Remove' button on the left-hand-side and add the T1 module to address 1 and the D1 module to address 2 using the drop-down boxes:

😑 Add / Remove M	Aodules 🗖 🖪 🛃	📑 Add / Remove	Modules 🛛 🗖 🔀
Module Address	Module Type	Module Address	Module Type
0	B1285-M1 💌	0	B1285-M1 💌
1	empty 💌	1	B1285-T1 👻
2	empty 💌	2	B1285-D1
3	empty 💌	3	empty 💌
4	empty 💌	4	empty 💌
5	empty 💌	5	empty 💌
6	empty 💌	6	empty 💌
7	empty 💌	7	empty 💌
8	empty 💌	8	empty 💌
9	empty 💌	9	empty 💌
10 (A)	empty 💌	10 (A)	empty 💌
11 (B)	empty 💌	11 (B)	empty 💌
12 (C)	empty 💌	12 (C)	empty 💌
13 (D)	empty 💌	13 (D)	empty 💌
14 (E)	empty 💌	14 (E)	empty 💌
15 (F)	empty 💌	15 (F)	empty 🔻
Help	OK Cancel	Help	OK Cancel

The modules are assembled and shipped with the physical addresses to match (ie: the M1 module is always address 0, the callout module is always address 1 and the expander modules are always 2 and above – from bottom to top).

Press 'OK' and press the B1285-D1 button on the left-hand-side:

	ase Edi	ior -	C:\Projects\B1285\	Basic Program	iming Tuto	orial.DAT	• E = D D
File Hardware Operation	Conne	st ∐	elp				
🖻 🖩 📱 🐴 🔌	0 1	<u>۱</u>	L		Quick setup	o check list. Press START to begin.	💌 ⁄ 🗄 START
Add / Remove	Mod	ule Pri Idule : Modu Major	operties: B1285-D1 (addre Settings le Alarms Minor In Input is open wi set to [GND/+V/	ess=2) ith Input Level]			
(0) B1285-M1							
(1) B1285-T1							
> (2) B1285-D1							
	Mod	ule 170	1				
			-				
	Ref	1/0	Name	Type	Group	Description	~
	Ref 2-1	1/0	Name digital input	Type Digital Input	Group	Description disabled	<u>^</u>
	Ref 2-1 2-2	1/0 1 2	Name digital input digital input	Type Digital Input Digital Input	Group ·	Description disabled disabled	<u> </u>
	Ref 2-1 2-2 2-3	1/0 1 2 3	Name digital input digital input digital input	Type Digital Input Digital Input Digital Input	Group - -	Description disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4	1/0 1 2 3 4	Name digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input	Group - - -	Description disabled disabled disabled disabled	•
	Ref 2-1 2-2 2-3 2-4 2-5	1/0 1 2 3 4 5	Name digital input digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input Digital Input	Group - - - -	Description disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6	1/0 1 2 3 4 5 6	Name digital input digital input digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input	Group - - - - - - -	Description disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7	1/0 1 2 3 4 5 6 7	Name digital input digital input digital input digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input	Group - - - - - - - - - - - - - -	Description disabled disabled disabled disabled disabled disabled disabled	(H)
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8	1/0 1 2 3 4 5 6 7 8	Name digital input digital input digital input digital input digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input	Group 	Description disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8 2-9	1/0 1 2 3 4 5 6 7 8 9	Name digilal input digilal input digilal input digilal input digilal input digilal input digilal input digilal input	Type Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input	Group	Description disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8 2-9 2-10	1/0 1 2 3 4 5 6 7 8 9 10	Name digital input digital input digital input digital input digital input digital input digital input digital input digital input	Type Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input Digital Input	Group	Description disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2·1 2·2 2·3 2·4 2·5 2·6 2·7 2·8 2·9 2·10 2·11	1/0 1 2 3 4 5 6 7 8 9 10 11	Name digilal input digilal input digilal input digilal input digilal input digilal input digilal input digilal input digilal input digilal input	Type Digital Input Digital Input	Group	Description disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2·1 2·2 2·3 2·4 2·5 2·6 2·7 2·8 2·9 2·10 2·11 2·12	1/0 1 2 3 4 5 6 7 8 9 10 11 12	Name digital input digital input	Type Digital Input Digital Input	Group	Description disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8 2-9 2-10 2-11 2-12 2-13	1/0 1 2 3 4 5 6 7 8 9 10 11 12 13	Name digilal input digilal input	Type Digital Input Digital Input	Group	Description disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8 2-7 2-8 2-9 2-10 2-11 2-12 2-13 2-14	1/0 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14	Name digilal input digilal input	Type Digital Input Digital Input	Group - - - - - - - - - - - - -	Pescription disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled disabled	
	Ref 2-1 2-2 2-3 2-4 2-5 2-6 2-7 2-8 2-9 2-10 2-11 2-12 2-13 2-14 2-15	1/0 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	Name digital input digital input	Type Digital Input Digital Input	Group - <td>Description disabled</td> <td></td>	Description disabled	



Basic Programming Tutorial

Double-click input 1, rename the alarm, select '1' from the 'Using Group' drop-down box and press OK:

[2-1] Digital Input 🖪 ? 🔀	[2-1] Digital Input 🖪 ? 🔀
Alarm Name: digital input Using Group: disabled DTMF Tx Code	Alarm Name: Compressor Down Using Group: Image: Compressor Down DTMF Tx Code Image: Compressor Down Function: Digital Input Input Level: DPEN / GND Alarm when: GND Alarm Format: Latching
Debounce Timer On Time: 100 Off Time: 100 Image: Image	Debounce Timer On Time: 100 Off Time: 100 Time Scale: I msec I sec
Help OK Cancel	Help OK Cancel

😉 Pro Talk LINK Database Editor - C:\Projects\B1285\Basic Programming Tutorial.DAT 📀							• • • • •
File Hardware Operation	Conne	ct H	elp				
🖻 🖬 🧮 📲 🔦	0		La la		Quick setup) check list. Press START to begin.	💌 ⁄ 🗄 START
1 HARDWARE 2 OPERATION 3 CONNECT Add / Remove (0) B1285-M1 (1) B1285-T1 (1) B1285-T1	Mod	ule Pr dule Modu Major	operties: B1285-D1 (addre Settings le Alarms Minor I. Input is open wil set to [GND/+V]	ess=2) th Input Level			
▶ (2) B1285-D1	Mod	ule I/()				
	D.C	Luo	fat	1.7	10	Description	
	Rer 2.1	1/0	Compressor Down	Digital locut	1 Group	Alarm when input is GND, momentary	
	2.2	2	digital input	Digital Input		disabled	
	2.2	2	digital input	Digital Input		disabled	
	2.4	4	digital input	Digital Input		disabled	
	2.5	5	digital input	Digital Input		disabled	
	2.6	6	digital input	Digital Input		disabled	
	2.7	7	digital input	Digital Input		disabled	
	2-8	8	digital input	Digital Input		disabled	
	2.9	9	digital input	Digital Input		disabled	
	2-10	10	digital input	Digital Input		disabled	
	2-11	11	digital input	Digital Input		disabled	
	2-12	12	digital input	Digital Input		disabled	
	2.13	13	digital input	Digital Input		disabled	
	2.14	14	digital input	Digital Input		disabled	
	2.15	15	digital input	Digital Input		disabled	
	2.16	16	digital input	Digital Input	•	disabled	
	1.						



Basic Programming Tutorial

Press the 'Operation' button on the left-hand-side and then the 'Group 1' button:

E ProTalk LINK Databa	ase Editor - C:\Projects\B1285\Basic	Programming Tutorial.DAT	• 6 - 0 🔀
		Quick setup check list. Press	START to begin.
	Group Properties: Group 1 Group Name Default Group 1 Enable This Group	Timers Short Timer: 2 Min.	Control Codes: Acknowledge: 111
	Auto ACK ACK Request	Short Cycles: 2 Long Timer: 10 Min.	Interrogate: 1111
General	Directory Selection Shift 1		
F Group 1	Dir 1 💌		
Group 2 Group 3			
Group 4 Group 5	Dir 1 memory use	d: 0% Insert	Edit Delete
Group 6	(click here to add a new line)	
Group 8			
Reports			

Check the 'This Group' box under the 'Enable' heading and then double-click the first line in Directory 1 (selected in Group 1 by default):

🥶 Directory Lin	e Editor			E 🔀
Command	Value			
		DIAL	VOICE	<u>W</u> AIT
		<u>R</u> ADIO	ALERT	<u>2</u> TONE
		E <u>M</u> AIL	DTME	<u>5</u> TONE
		<u>T</u> EXT MSG	<u>S</u> IGNAL	
		WAIT		
		<u>A</u> UTO ACK		
		D <u>e</u> lete		
Help			ОК	Cancel



Basic Programming Tutorial

Press the 'DIAL' button and enter the phone number of the person to be called in the 'Value' column beside it. Click on the line below 'DIAL' and press the 'VOICE' button:

亘 Directory	Line Editor		_	🖬 🗹
Command	Value			
DIAL	403555555	DIAL	VOICE	<u>W</u> AIT
VOICE		<u>R</u> ADIO	ALERT	2 TONE
		E <u>M</u> AIL	DTM <u>E</u>	<u>5</u> TONE
		<u>I</u> EXT MSG	SIGNAL	
		<u></u> AIT		
		<u>A</u> UTO ACK		
		D <u>e</u> lete		
Help			ОК	Cancel

Press 'OK.' The first line in Directory 1 now has a dial command, followed by the phone number, and then a voice command.

Now that the basic configuration is complete, the database needs to be sent to the system. Press the 'Connect' button on the left-hand-side. Since the 'Database' button is already highlighted, select the appropriate COM port in the 'Serial Port' drop-down-box (it will automatically be selected when using a USB cable) and press the 'Send' button in the upper pane of the window:

😎 Write File	• 2 - 2 🔀
Data Transfer Progress	
11%	
	Cancel

The database has now been transferred. You may want to save the database for future reference. To do so, select the 'File' heading, then 'Save As...' Name the file and save it to the appropriate location:



Basic Programming Tutorial

Save As					? 🔀
Savejn:	🗀 B1285		•	+ 🗈 💣 📰 •	
My Recent Documents Desktop	CCode Basic Program	ning Tutorial.DAT			
My Documents					
My Computer					
S					
My Network Places	File <u>n</u> ame:	Basic Programming Tu	itorial.DAT	•	<u>S</u> ave
	Save as <u>t</u> ype:	database files (*.dat)		•	Cancel

Record Voices

The next step is to program voices for the Site ID and Alarm 1. There are 2 ways in which voices can be recorded; using the built-in Voice Editor or with a touch-tone phone connected via the TEL port on the M1 module. This example illustrates using a phone. Refer to the help file in the software for details on how to use the editor.

When the handset is lifted, "No Alarms. Enter Command Code" will be spoken. Wait several seconds and "Enter Program Code" will be spoken:

You: Press 1** Link: "Enter Voice Code." You: Press 0** Link: "Site is....." You: Press 2** Link: The unit will beep. You: This is when you begin speaking the site identifier. Once you've spoken the site ID, the Link will detect your silence and play back the voice. If adequate, press #** to return to the voice code prompt. If you would like to re-record the voice, enter 2** again. Be sure that you don't enter ** at the end of the recording, as the tones will be recorded with the voice and will disrupt the callout/acknowledgement process. Link: "Enter Voice Code." You: Press 2 ** Link: "Block 2 Input 1 is....." You: Press 2** Link: The unit will beep.



Basic Programming Tutorial

You: This is when you begin speaking the alarm for input 1 of the D1 module. Once you've spoken the alarm, the Link will detect your silence and play back the voice. If adequate, you can hang-up the handset, or press ** to advance to alarm 2. If you would like to re-record the voice, enter 2** again.

<u>Testing</u>

Connect the T1 module to a POTS line and, using a piece of wire, assert alarm 1 to ground and hold it there.

The unit will call the number in directory 1 and announce the site identifier followed by the alarm 1 voice programmed earlier. The Link will then speak "Enter Acknowledge Code."

To acknowledge the alarm, enter 111 (the default acknowledge code) when requested to do so. The Link will respond with the Site ID, followed by "Alarms Acknowledged." "Enter Command Code" will be spoken afterwards, but can be ignored.

Your ProTalk Link is now tested and functioning properly.

<u>Help Files</u>

There are many more configurations and features available in the Link. For detailed information on how to use them, refer to the help file by clicking on the 'Help' heading in the software, followed by 'Help Contents:'



For specifications, drawings, etc., refer to the manual on the CD, or visit our website for further information.

