INSTALLATION SUMMARY

STEP 1: **Confirm that unit is active by faxing in your Telular Databurst Cellular Service Activation Request Form to (678) 945-8012 and receiving a faxed confirmation back.**
   a. Locate unit
   b. Connect & temporarily place antenna
   c. Apply power to unit
   d. Program unit (see chart/table at right)
STEP 2: **Register unit.**
   a. Call the Telular IVR (Interactive Voice Response) @ (888) 835-8527 and follow the voice prompts.
STEP 3: **Check signal strength.**
   a. Place the J5 jumper over both pins to put the unit in signal strength mode
   b. Move the unit/antenna until as many LED's as possible are on. (up to four)
   c. Replace J5 to its original position.
STEP 4: **Transmit alarm signals over cellular.**
   a. Prepare C/C.
   b. Connect C/C to Telguard Jack 2.
   c. Trip alarm panel and verify cellular transmissions.
STEP 5: **Connect incoming Telco line.**
   a. Be sure TELGUARD is the first device on the incoming phone line
   b. Connect RJ31X to TELGUARD Jack 1 and verify that the unit switches to telco.
   c. Disconnect incoming telco at Jack 1 and verify that the unit switches to cellular.
   d. Reconnect incoming telco at Jack 1 and verify that the unit switches back to telco.
STEP 6: **If programmed for operation, connect supervised STC (NO) relay output to zone on alarm panel.**
   a. Check trips to C/C
STEP 7: **Complete the installation.**
   a. Double-check all electrical connections.
   b. Permanently mount the TELGUARD chassis.

P.O.T.S – Plain Old Telephone Set/Lineman's Buttset Programming

STEP 1. **For units that have never been programmed (typical), skip to step 2:**
   a. With no power to the unit, place **J5** jumper over both pins & apply power to the unit.
   b. Unit powers up in signal strength mode.
   c. Connect buttset to **T & R** pins or plug phone into **Jack 2** on the left edge of the board.
   d. Switch the buttset to **TALK** or the phone to the **OFFHOOK** position.
   e. Push **'#, #'** and the TELGUARD will respond with four tones.
STEP 2: **Programming options.**
   a. Power the unit up and the red STC LED will illuminate, indicating that the unit is ready to program.
   b. Connect buttset to **T & R** pins or plug phone into **Jack 2** on the left edge of the board.
   c. Switch the buttset to **TALK** or the phone to the **OFFHOOK** position.
   d. The sequence for programming is **memory location then value for that location.**
   e. Punch in the 2-digit memory location number & the TELGUARD will respond with 2 beeps and 2 flashes of the green Radio TX LED.
   f. Punch in the value for that location as determined from the chart below. **NOTE**: **The values for locations 22 and 23 (the C/S primary and secondary receiver numbers) must be followed by pushing '#' one time. This is not necessary for any other location.**
   g. The TELGUARD will respond with 4 beeps and 4 flashes of the green Radio TX light. If an incorrect value has been entered, it responds with one long beep and 4 flashes of the green Radio TX LED If that happens, simply start over from STEP 2, b.
   h. Press **'*'** to exit programming.
   i. The TELGUARD will respond with 2 beeps and 2 flashes of the green Radio TX light.
   j. Remove the J5 jumper. (It is not necessary to power the unit down to remove the jumper)
   k. **Call the Telular IVR (Interactive Voice Response) @ (678) 945-0228 and follow the voice prompts for registration.**

PROGRAMMING VALUES TABLE

MEM LOC	FIELD DESCRIPTION	FACT SET	VALUE DESCRIPTION
00-19	Reserved for engineering purposes		
21	C/S Account number	0000	Enter the **4 digit** account number for the central station. Enter digits 0-9
22	Primary C/S Receiver Telephone Number	000 000 0000#	Enter the **10 digit** primary telephone number to the central station receiver for this account (no dashes or spaces) then **#**. **Do not use a 1 in front of the area code**
23	Secondary C/S Receiver Telephone Number	000 000 0000#	Enter the **10 digit** primary telephone number to the central station receiver for this account (no dashes or spaces) then **#**. **Do not use a 1 in front of the area code**
31	Telguard Operation Mode 1 or 2	1	**1= Telco Primary/Cellular Backup** 2= Cellular Primary/Telco backup
32	Cellular System A or B	2	1= system a **2=System B**
33	Reporting Formats	8	1=4x2 Pulse 40 PPS (Radionics) 2=4x2 Pulse 20 PPS (Franklin) 3=4x2 Pulse 10 PPS (SIA-P3) 4=3x1 Pulse 40 PPS (Radionics) 5=3x1 Pulse 20 PPS (Franklin) 6=3x1 Pulse 10 PPS (SIA-P1) 7= DTMF (SIA-DI) **8=CONTACT ID (Ademco)**
51	STC triggers (Conditions that will cause the STC relay to trip)	31	Enter the **Total Sum** of the events that you wish to trip the STC relay by adding the following corresponding values: 00=STC Off **01=AC Failure 02=Low Battery** **04=LFC 08=NSC 16=RFC** **Ex: (01+02+08=11; causing the STC to trip for A/C D/C failure or loss of cell service, NSC.**
52	STC trip delay for LFC and NSC	2	1=30 seconds **2=60 Seconds**
53	Reserved for future use		
61	CFC number of attempts per 30-60 second time frame	0	**0=Disabled** 2=4 attempts 1=2 attempts 3=8 attempts
62	CFC sets time frame between attempts	1	**1=30 Seconds** 2=60 Seconds
63	RFC1 number of attempts	3	Number (1-9) of dialing attempts over radio
64	RFC2 number of attempts	2	Number (1-9) of radio TX attempts
65	RFC2 timeout period	5	1=30 Seconds 4=75 Seconds 7=120 Seconds 2=45 Seconds **5=90 seconds** 8=135 Seconds 3=60 Seconds 6=105 Seconds 9=150 Seconds
66	Open link delay	4	Duration of time after a link termination is received in which no new link request is required when placing a new call. 1=30 Seconds 3=90 Seconds 5=150 Seconds 2=60 Seconds **4=120 Seconds** 6=180 Seconds
67	Standard battery size	1	0= no battery **1=.0.8 Ah** 2=1.2 Ah 3=4 Ah 4=7 Ah 5=14Ah
99	Factory Default Values	12345	**Returns EEPROM to factory settings**

TELGUARD 2 QUICK INSTALLATION GUIDE
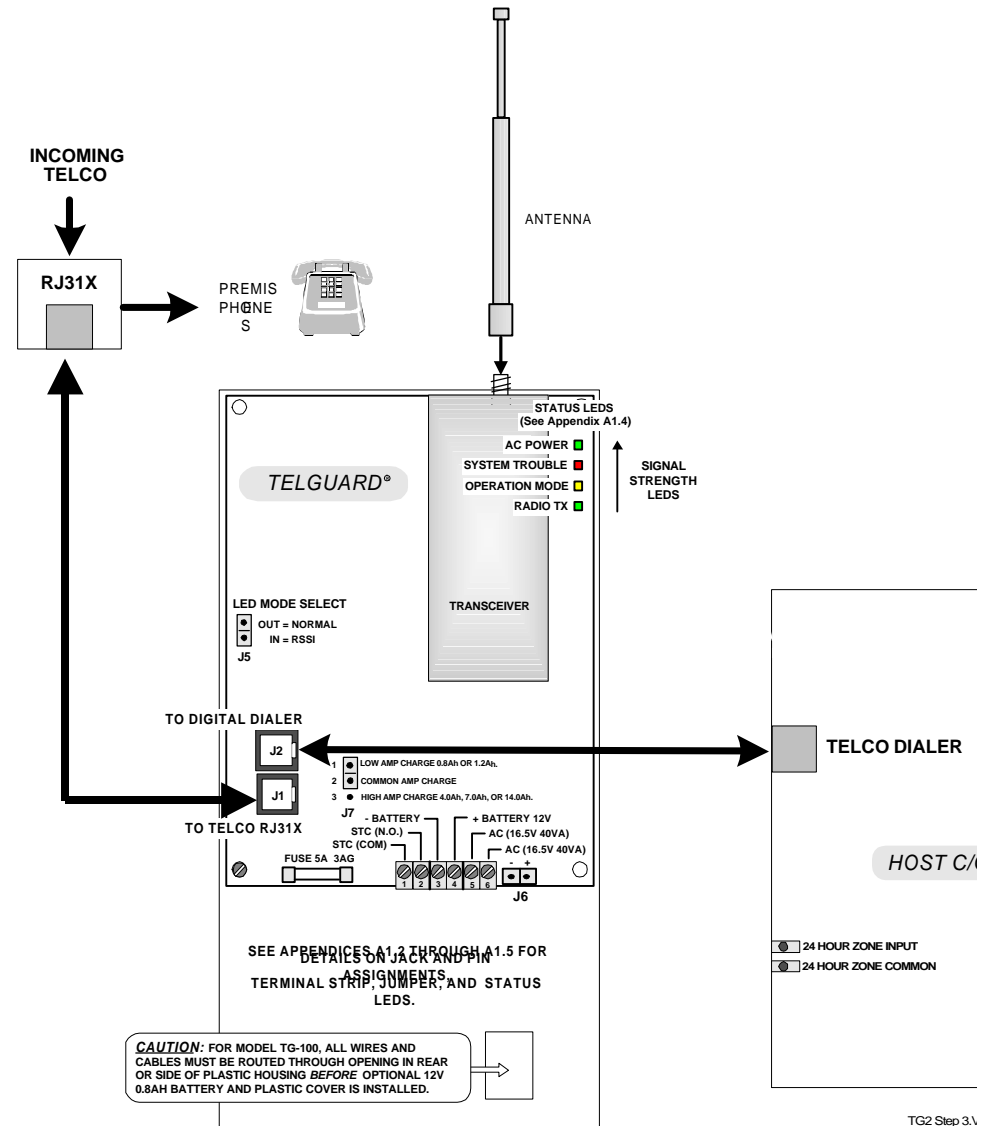
The TELGUARD has to be the first device on the incoming telco line. No telco device can be in front of or parallel with the TELGUARD or a Line Fault Condition will occur.

TELULAR CORPORATION

Technical Support:	8:00AM – 5:00PM EST	(800) 229-2326
After Hours:	5:00PM – 9:00PM EST	(404) 213-8523