

BTPRO-1000 with Optional Pro:Idiom™ Recovery (Stock # 4230 RK)

BTPRO-1000 QUICK GUIDE

Document # 651236300C Stock # 4230

1. Press the Recovery Pro:Idiom™ Key [**F**] to display the menu.
2. With the Standard Navigation highlight the PLAN field and select the desired modulator channel plan (CABLE or Broadcast) and press the ENTER key [**C**].
3. Using the Standard Navigation highlight the CHANNEL field and select the desired modulator output channel. Allowable selections are 2-158 for CABLE and 2-69 for Broadcast. Press the ENTER key [**C**].
 NOTE: When using the Restore or PI Key Test commands in 8.5.5, the selected channel must be one of the PI encrypted channels the TV is programmed (mapped) to receive. This channel entry is the actual RF channel assignment - NOT a virtual channel.
4. Using the Standard Navigation highlight the MODE field and select the desired QAM output (QAM64 or QAM256). Press the ENTER key [**C**].
5. After the Plan, Channel and Mode settings have been done, highlight the SET PARAMETERS? field and press the ENTER key [**C**]. The internal modulator is now providing an RF output based on the previous settings. Connect the RF output to the TV and tune to the channel set in #3 above. The TV should now lock on to the BTPRO modulator's RF output channel.
6. Using Standard Navigation methods, highlight the COMMAND field and select the desired action of:

Restore: Refreshes the TV's Pro:Idiom key providing a color bar test pattern with "Production Renewal Key" text once completed.

PI Key Test: PI encrypted color bar test pattern with "Production Keys" text for testing TV PI reception capability.

MPEG-2/AC3: Non-encrypted MPEG-2 video test pattern with AC3 audio for testing TV receiving capability.

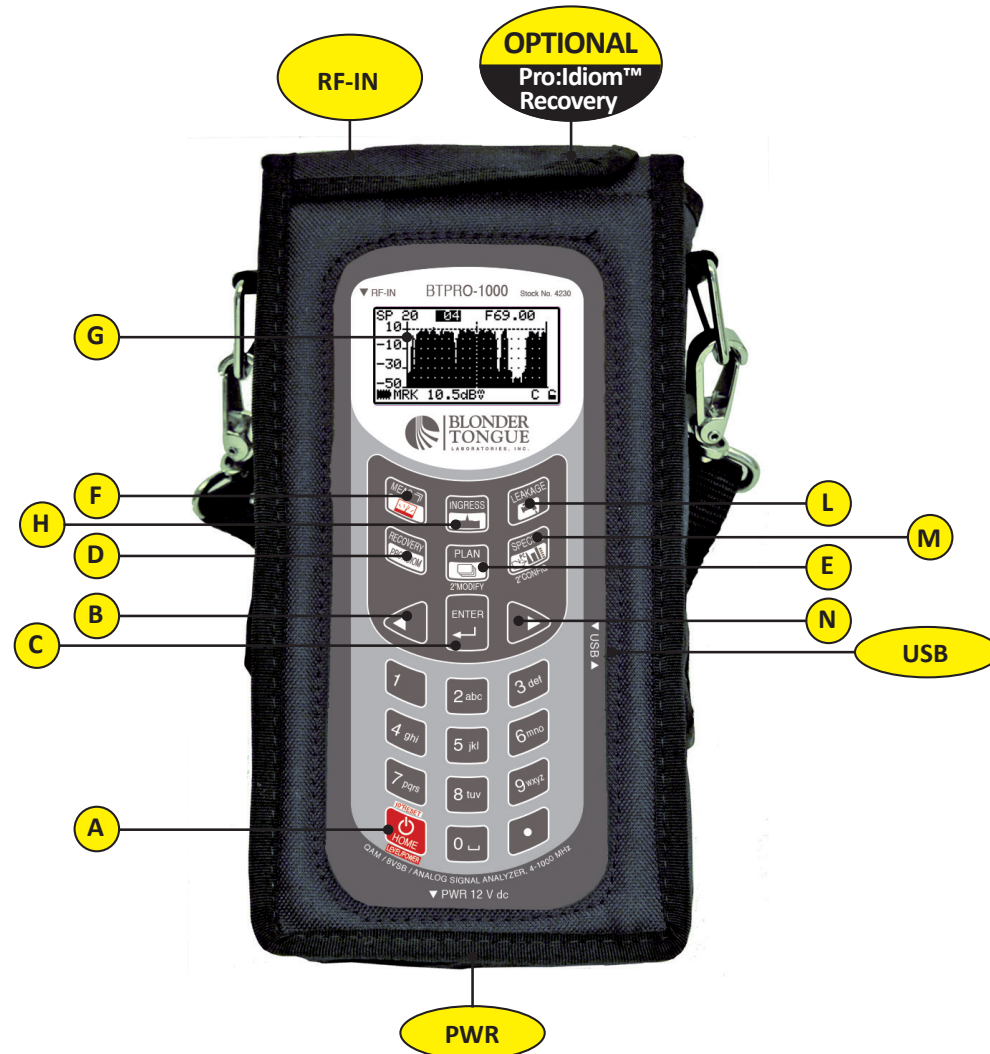
MPEG2/MPEG1 Layer 2: Non-encrypted MPEG-2 video test pattern with MPEG-1 Layer 2 audio for testing TV receiving capability.

H.264/AC3: Non-encrypted H.264 video test pattern with AC3 audio for testing TV receiving capability.

H.264/EAC3: Non-encrypted H.264 video with EAC3 audio for testing TV receiving compatibility.

Press the ENTER key [**C**].

7. Select the SEND COMMAND field and press the ENTER key [**C**] to transmit the command. Confirm the command action on the TV as described above. The test pattern duration is approximately 30 seconds.



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Functions Table

| | Main Function | Secondary Function (press and hold for 2s) |
|----------|--------------------------|--|
| A | Main switch (ON/OFF): | Level/Ch. Power meas. (press once) RESET (press and hold for 10s) |
| B | LEFT: | PLAN SELECTION |
| C | ENTER: | |
| D | Pro:Idiom™ Rekey Option: | |
| E | PLAN: | |
| F | MEAS: | |
| G | LCD (dot matrix) | METER CONFIGURATION |
| H | INGRESS MODE: | |
| L | LEAKAGE MODE: | |
| M | SPECIAL FUNCTIONS MENU: | |
| N | RIGHT: | |

NOTE: The number keys can be used for direct frequency input, direct numerical channel input or alphabetical input (logger file names).

| | Side Body Panel Descriptions | Location |
|---------------|----------------------------------|-------------------|
| RF IN | RF input | Upper side, left |
| RK Opt | Pro:Idiom™ Recovery Opt (RF-OUT) | Upper side, right |
| USB | USB 2.0 connector | Right side |
| PWR | External Power inlet | Lower side |

Please visit our website at www.blondertongue.com to download the latest BTPRO-1000 Instruction Manual (PDF document) and SMART PC Control software. First time website visitors are required to complete a short registration process prior to accessing product information. Once signed in, you can quickly navigate to the BTPRO-1000 product page by simply searching on "BTPRO". Instruction Manuals and a link to the software download can be found under the "Documents" tab.

Signal Level and Performance Measurements

1. Select the desired channel "PLAN" **E** for the particular channelization and format (ie: "CblQAM" for digital CATV).
2. To measure a particular channel press the "MEAS" **F** key once.
 - a. Set the desired channel to be measured by using the < **B** or > **N** keys to scroll up or down the channels. The channel must be highlighted and blinking to change. If it is not, press the ENTER **C** key. The channel can also be set by directly entering a channel with the numeric keys. Note that channels 2 through 9 must be preceded with a zero (0), ie: "02". After the channel has been entered, press the "ENTER" key to make the change.
 - b. QAM Measurements
 - The 1st screen contains the QAM signal level.
 - The 2nd screen (push "MEAS") provides the Noise Margin and MER measurements
 - The 3rd screen (push "MEAS" again) is BER figures
 - The 4th screen (push "MEAS" once more) is the Constellation information
 - c. Analog Measurements (PLAN = CblAna)
 - The first screen contains the analog (NTSC) signal level
 - The 2nd screen (push "MEAS") provides Video to Aural Ratio and C/N
 - d. Special Features
 - "Spectrum" **M** provides a display based on user selectable frequency span, level range, and marker frequency
 - LOGGER Save/Recall Scans and stores all measurements pertaining to the "PLAN" for later retrieval or downloading to a PC using the SMART software