HP ProBER 2

HP ProBER 2
Quick Reference Guide

HEWLETT PACKARD

E7580-90012   Printed in UK   12/99

Microphone.

Backlight On/Off (hold down to change contrast).

Start/Stop measurement.

Print on demand.

Cursor control keys.

Softkeys (Choices indicated in display above keys).

Help message for active field (Available in local language).

Menu field.

Speaker.

TRANSMIT output.

EXT CLOCK IN input.

RECEIVE input.

dc input.

Highlighted (active) field.

Reveals more choices.

Actions data change and exits edit.

Moves cursor to Menu field.

Automatically configures receiver to match input signal.

Power On/Off (hold down until display blanks to switch off).

PRINTER (and data) output.

Introducing HP ProBER 2

HP ProBER 2 is supplied **ready to use** straight from the box. There is **no need to charge the battery**. Use the instrument until the battery is completely exhausted before giving it its first charge.
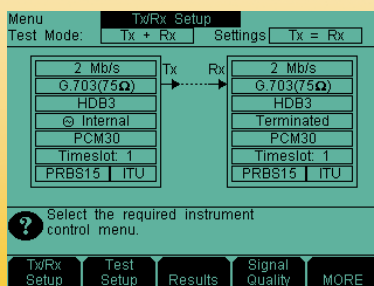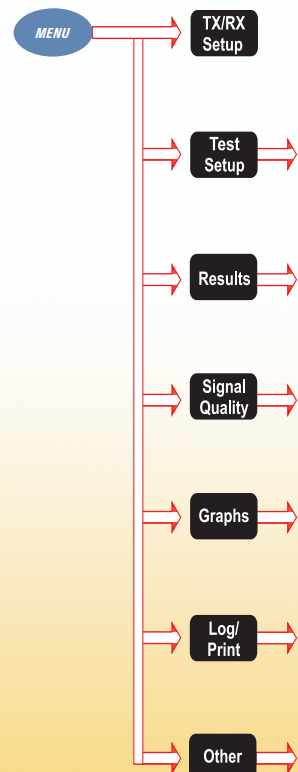
When first switching on HP ProBER 2, you may need to **adjust the display contrast** by holding down the display backlight key . This cycles the contrast through its setting range. A quick press of the same key toggles the backlight on and off.

Before using HP ProBER 2, you'll need to know how to **navigate your way around the displays**. Here's how to do that.

Navigating around the displays

1. Move within the display area by using the cursor control keys ▼ , ▲ , ◄ , and ► . Return the cursor to the top of the display by pressing [MENU] .

2. In each of the display areas, the field that can be changed (the active field) is marked by a "high-lighted cursor". In the example shown here, it's Tx/Rx Setup .

3. Alternative selections/modes for the active field are accessed using the softkeys below the display.

4. When a field has more than five choices, a softkey labelled [MORE] is provided. Press to reveal more choices.

```
Menu              Tx/Rx Setup
Test Mode:     Tx + Rx     Settings   Tx = Rx

      2 Mb/s        Tx    Rx     2 Mb/s
   G.703(75Ω)                 G.703(75Ω)
   HDB3                       HDB3
   ⊘ Internal                 Terminated
   PCM30                      PCM30
   Timeslot: 1                Timeslot: 1
   PRBS15   ITU               PRBS15   ITU

  ? Select the required instrument
     control menu.

 Tx/Rx    Test     Results   Signal    MORE
 Setup    Setup              Quality
```

The control menus

[MENU] →

- TX/RX Setup
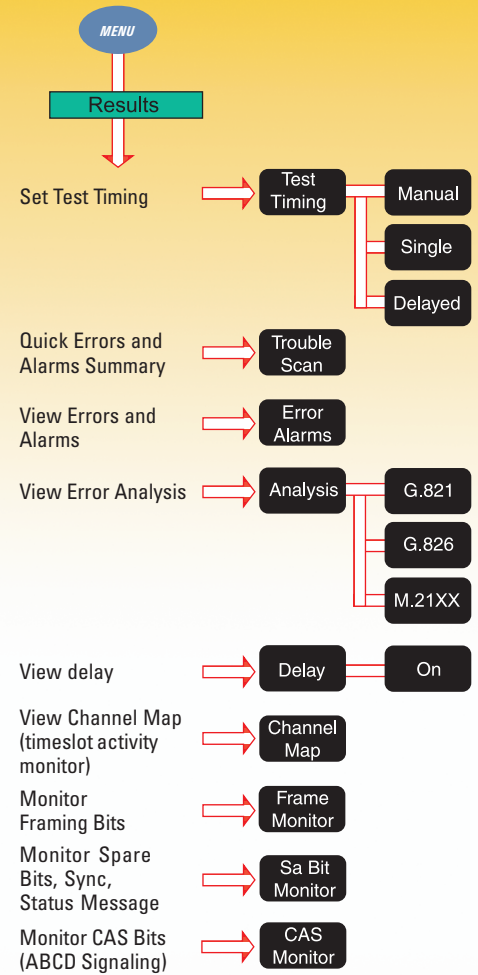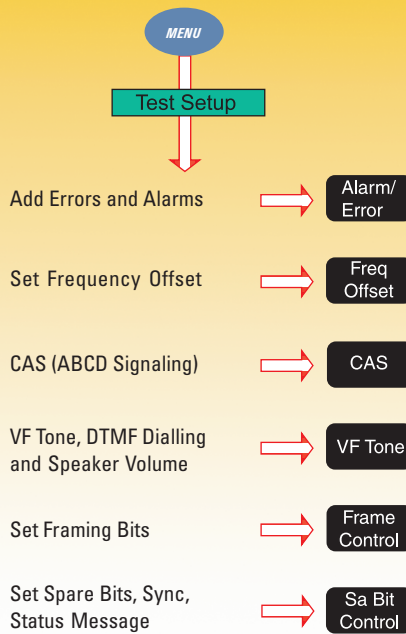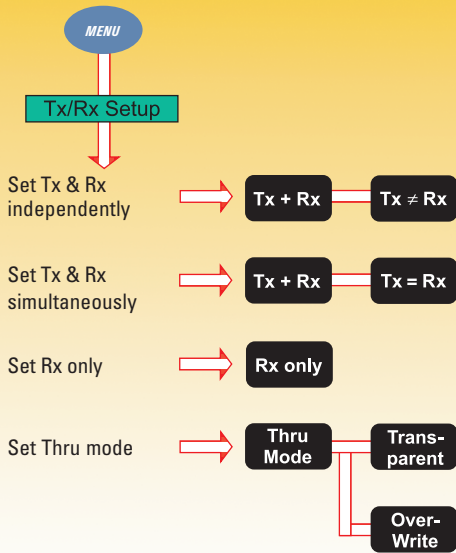- Test Setup →
- Results →
- Signal Quality →
- Graphs →
- Log/ Print →
- Other →

The menus in more detail . . .

The menus in more detail . . . For full details, refer to the User Reference Manual

MENU

Tx/Rx Setup

Set Tx & Rx independently	→	Tx + Rx — Tx ≠ Rx
Set Tx & Rx simultaneously	→	Tx + Rx — Tx = Rx
Set Rx only	→	Rx only
Set Thru mode	→	Thru Mode — Trans-parent / Over-Write

TX/RX Parameters

TX	RX
Line Rate	Line Rate
Line Impedance	Line Impedance
Line Code	Line Code
Clock Source	Termination
Frame Type	Frame Type
Timeslot	Timeslot
Test Pattern	Test Pattern

MENU

Test Setup

Add Errors and Alarms	→	Alarm/Error
Set Frequency Offset	→	Freq Offset
CAS (ABCD Signaling)	→	CAS
VF Tone, DTMF Dialling and Speaker Volume	→	VF Tone
Set Framing Bits	→	Frame Control
Set Spare Bits, Sync, Status Message	→	Sa Bit Control

MENU

Results

Set Test Timing	→	Test Timing — Manual / Single / Delayed
Quick Errors and Alarms Summary	→	Trouble Scan
View Errors and Alarms	→	Error Alarms
View Error Analysis	→	Analysis — G.821 / G.826 / M.21XX
View delay	→	Delay — On
View Channel Map (timeslot activity monitor)	→	Channel Map
Monitor Framing Bits	→	Frame Monitor
Monitor Spare Bits, Sync, Status Message	→	Sa Bit Monitor
Monitor CAS Bits (ABCD Signaling)	→	CAS Monitor

MENU

Signal Quality

View Summary	→	Summary
View Frequency	→	Frequency
View Signal Level	→	Level
View Jitter	→	Jitter — Off / On
View Pulse Mask	→	Pulse Mask

MENU

Graphs

Save Current Results	→	Select Store — Save
Recall Current Results	→	Select Store — Enter

Graphs (Display any two)

BIT ERROR COUNT
CODE ERROR COUNT
FRAME ERROR COUNT
CRC4 ERROR COUNT
E-BIT COUNT
JITTER HIT COUNT
ALARMS

MENU

Log/Print

Set Logging Interface	→	Setup
Choose Logging Results	→	Filters

MENU

Other

Set Time & Date	→	Time/Date
Option Summary	→	Options — Summary
Talk/Listen, DTMF Dialling, Speaker Volume	→	Talk/Listen — DTMF Dialling
Self Test	→	Self Test
Stored Settings	→	Inst Settings
Beep on Error/Alarm	→	Inst Config
Set Backlight Mode	→	Inst Config
Set Display Contrast	→	Inst Config
Choose HELP Language	→	Inst Config
Battery Indicator	→	Battery Life

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