

## 6. DOWNLOAD AND CALIBRATION

### 6.1 Download

Fig. 6-1 and 6-2 illustrate a download set-up.

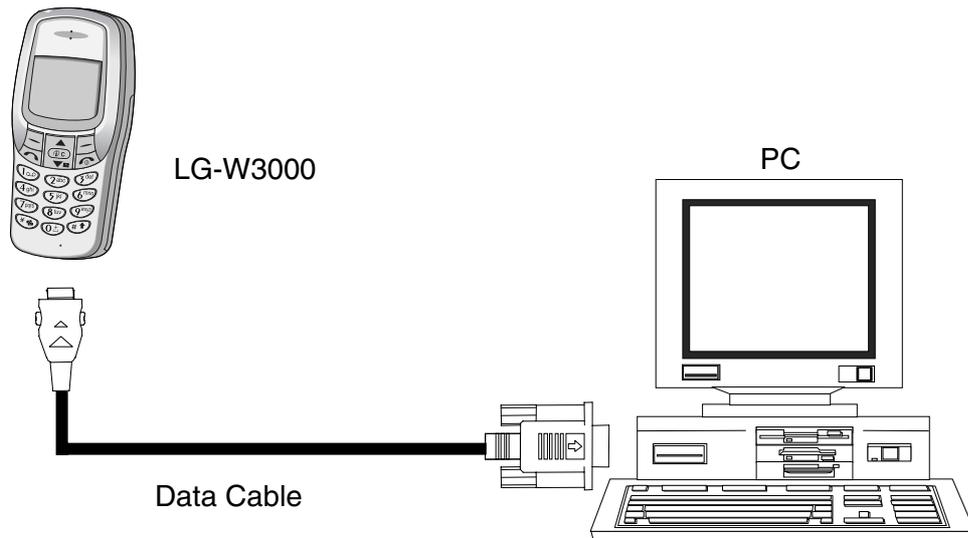


Figure 6-1. Download Setup 1.

#### Download procedure

Access flash loader program in PC.

Select source code you want to download.

Don't check OWCD AND VERIFY in flash loader window.

Push start button in flash loader window.

#### Condition

##### 1. Disconnect TA to the Datakit and phone have a battery

a.  $V_{BAT} < 3.2V$

Don't download to the phone.

b.  $3.2V \leq V_{BAT} \leq 3.4 V$

First : Connect Datakit to the phone.

Second : Push the power on button until finish download.

c.  $V_{BAT} > 3.4V$

First : Connect Datakit to the phone.

Second : Push the power on button during 1~2second.

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### 2. Connect TA to the Datakit and phone have a battery

a.  $V_{BAT} < 3.2V$

Don't download to the phone.

b.  $V_{BAT} \geq 3.2V$

Connect Datakit to the phone.

### 3. Download method when battery under 3.2 voltage

First : Remove battery in the phone

Second : Connect TA to the Datakit

Third : Connect phone to the Datakit.

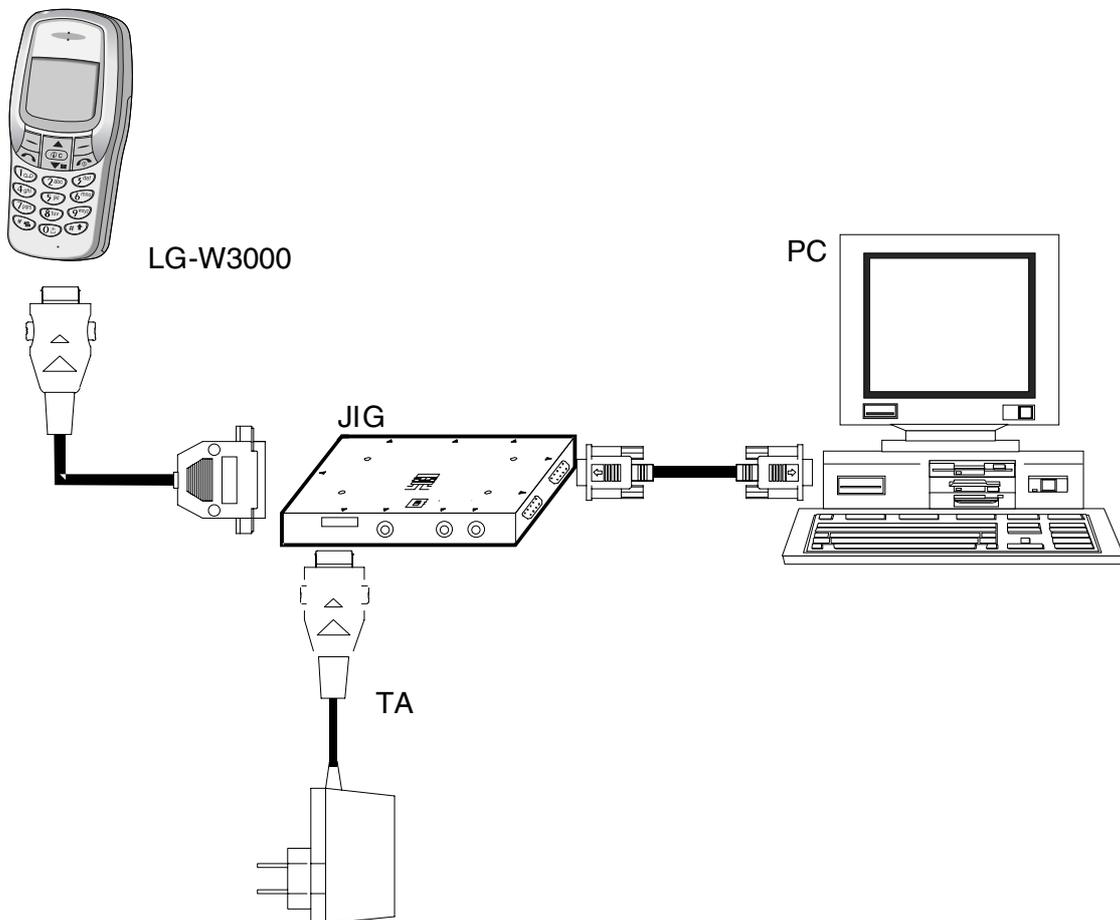


Figure 6-2. Download Setup 2.

## 6.2 Calibration

### A. Equipment List

Equipment for Calibration	Type / Model	Brand
Wireless Communication Test Set	HP-8960	Agilent
RS-232 Cable and Test JIG	LG	
RF Cable	LG	
Power Supply	HP-66311B	Agilent
GPIB interface card	HP-GPIB	Agilent
Calibration & Final test software	LG	
Test SIM Card		
PC (for Software Installation)	Pentium II class above 300MHz	

Table 6-1. Calibration Equipment List.

### B. Equipment Setup

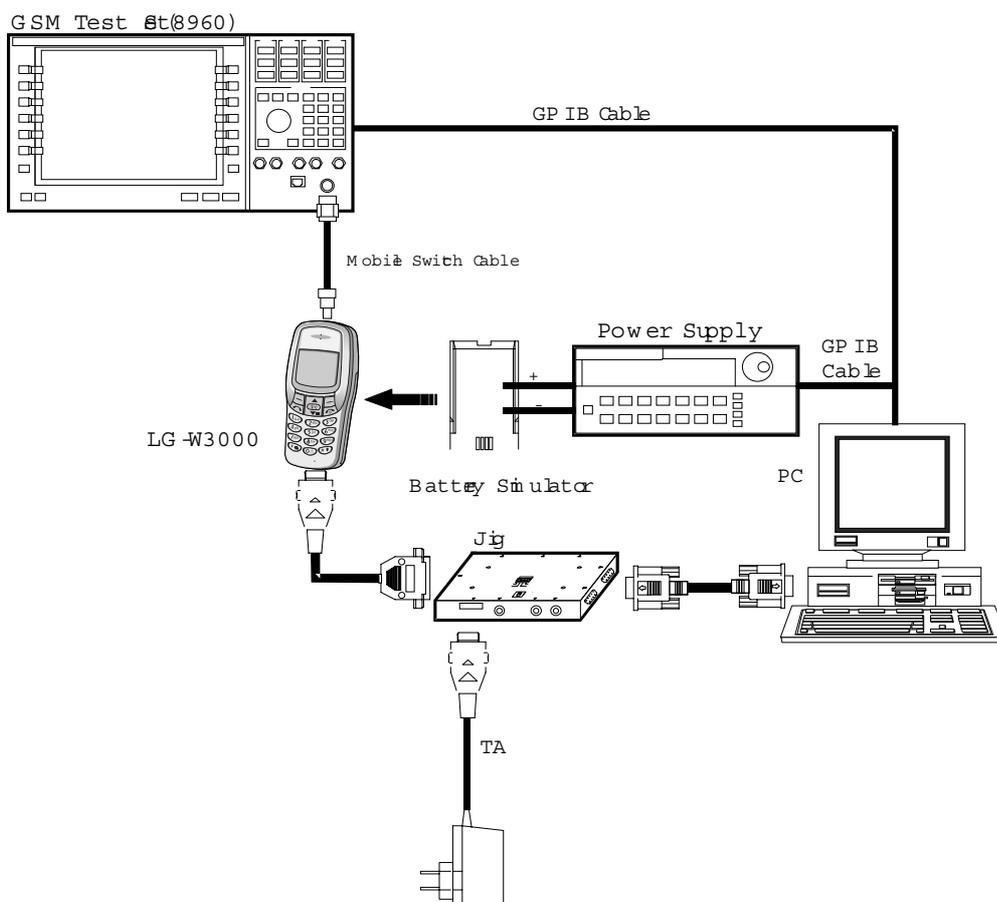


Figure 6-3. Equipment Setup.

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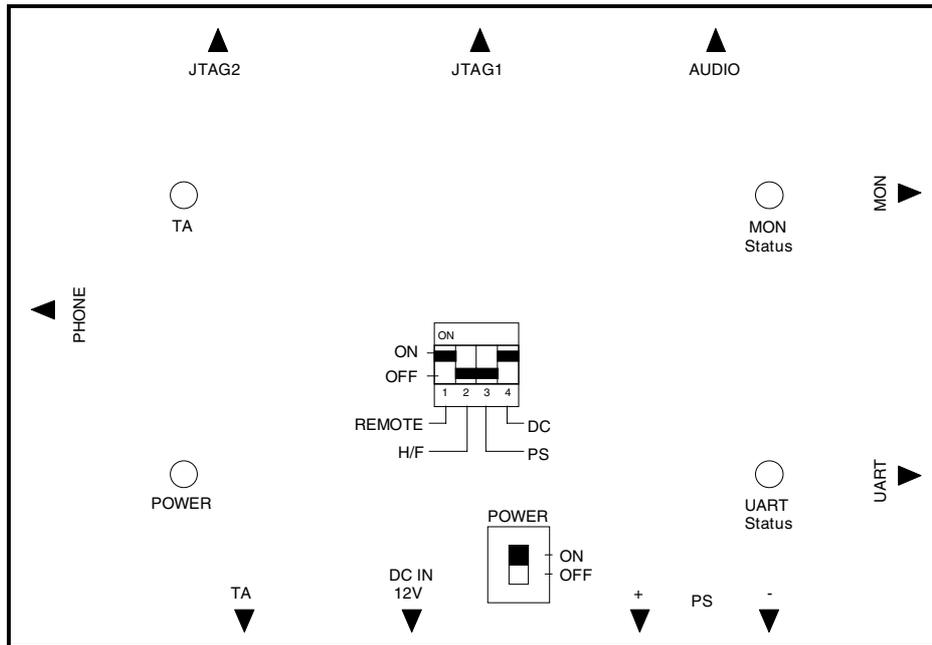


Figure 6-4. The top view of Test Jig.

### C. Test Jig Operation

Power Supply	usually 4.0V
DC Adaptor	9.5V, 500mA

Table 6-2. Jig Power.

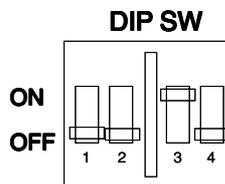
Switch Number	Name	Description
Switch 1	RPWRON	In ON state, phone is awaked.
Switch 2	HF_DETECT	Turn on for AUDIO TEST
Switch 3	Power Supply	Power is provided for phone from Power Supply
Switch 4	D.C power	Power is provided for phone from DC adaptor.

Table 6-3. Jig DIP Switch.

Switch Number	Name	Description
Switch 1	RPWRON	In ON state, phone is awaked.
Switch 2	HF_DETECT	Turn on for AUDIO TEST
Switch 3	Power Supply	Power is provided for phone from Power Supply
Switch 4	D.C power	Power is provided for phone from DC adaptor.

Table 6-4. LED Description.

1. Connect as **Fig. 6-3**. (RS232 Serial cable is connected between COM port of PC and MON port of TEST JIG, in general)
2. Set the Power Supply 4.0 V, also DC adaptor may be used



3. Set the 3rd of DIP SW ON state, In case of DC adapter, set 4th ON state
4. Press the Phone power key, If the Remote ON is used, 1st ON state

#### D. Procedure

1. Connect as **Fig. 6-3**. (RS232 Serial cable is connected between COM port of PC and MON port of TEST JIG, in general)
2. POWER ON PC then enter into Windows 98. (Remark: Windows 2000 system could be feasible)
3. Run AUTOCAL.exe, then AUTOCAL application window will be appeared.