

# Solitaire 6100 User Guide

(PM 0278 Issue.5)

## Description

Your Solitaire 6100 payphone is designed for use in supervised indoor locations and accepts 10p, 20p, 50p and £1 coins. The case design allows the Solitaire 6100 to be equally 'at home' free-standing or fixed on a wall or shelf and a Liquid Crystal Display makes it easy to operate.

The Solitaire 6100 provides Payphone Identification Tone (Beep...Bop) to tell telephone operators that the telephone they have dialled is a payphone and that reverse charge calls should not be connected.

**Calls to Emergency Services on 999 or 112 are always available without coins.**

The Solitaire 6100 is normally intended for operation with a Payphone Management System (PMS). This System can communicate with the payphone across the telephone network without intervention by the user or owner. It can programme the payphone and receive status information from the payphone automatically.

However, the Solitaire 6100 can also be operated without the PMS, in which case the Programming Mode section of this User Guide should be followed to programme or review settings from the front panel. (Note that many more features can be programmed with the Payphone Management System than can be programmed through the front panel.)

## Hearing Impaired Users

The Solitaire 6100 incorporates an inductive coupler in the handset to assist users of post aural hearing aids.



In the event of difficulties, please call our Customer Services Helpline on 0870 601 0024

## Please Read This

You do not have to read all of this leaflet to use your payphone. Your Solitaire 6100 is ready to use 'straight from the box'. Batteries are already fitted and basic setting up has been done.

## Recording the Key Number and Serial Number

We have supplied your Solitaire 6100 with two keys to fit the case lock. As well as giving access to the cash inside the phone they also allow you to enter the programming modes. You need to record the **key number**:

If you lose the keys, and you know the key number, you can get replacements by contacting our Customer Services Helpline.

You will find the serial number of your phone on its base. Record this **serial number** as it may be required if you request Warranty service:

Your Solitaire 6100 is designed to plug into a new modular telephone socket. If you do not have such a telephone connection point, you should contact your local BT Payphone Sales Office to arrange for one to be fitted. They can be contacted on:

0800 115511 - UK (except Northern Ireland)  
150 - Northern Ireland

## Receiving a Call

Assuming the Ringer Volume switch is set to either or , your payphone will ring normally when an incoming call is received (but see Note 3 below).

Calls may be accepted by lifting the handset.

The Payphone Identification Tone will sound in the earpiece to tell telephone operators that the telephone they have dialled is a payphone and that reverse charge calls should not be connected. Do not press any dialling buttons after lifting the handset, as this may result in the incoming caller being unable to hear you.

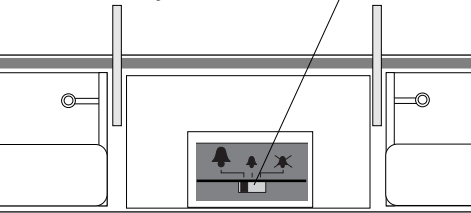
**Notes:**

- Calls accepted on an extension telephone cannot be subsequently transferred to the payphone.**
- If the payphone is logged onto a remote management system (i.e. the PMS), it will normally "auto answer" an incoming call after a period of time, assuming it to be a call from the PMS computer. If the call is actually a normal voice call, it will be lost.**
- The ringer activity on incoming calls is controlled by the PMS. If it is set to "OFF" by the PMS, then the local switch in the payphone has no effect.**
- Incoming Calls can be barred using transmission mute, see Advanced Feature Programming "Incoming Calls" - Page (9). If the ringer is set to "OFF" by the PMS, then the transmission mute in the payphone is applied, and you will not be able to answer incoming calls.**

## Changing the Ringer Volume

Unlock and open the case, then locate and adjust the Ringer Volume Switch (high/low/off). Then close and lock the case.

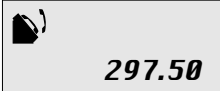
**NB: Leaving the ringer set to ON allows subsequent control by the PMS.**



## Emptying the Cashtray

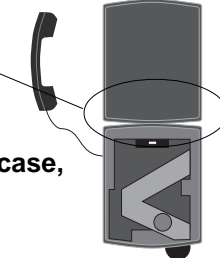
### Unlock the case

The display shows the total cash collected since installation, for about 10 seconds:



Open the case, Empty the cashtray

Close and lock the case, Remove the key.



## Installation

If you require to fix your Solitaire 6100 securely to a wall or table, open the case, remove the cashtray, locate the fixing positions, drill and fix as appropriate using the fixing kit supplied. Close and lock the case.

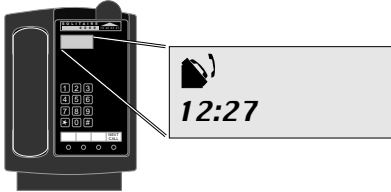
When providing a payphone service to the public, in order to comply with OFTEL regulations, you must complete and display the important information panel near the payphone.

## 1. Remove your Personal Identity Number (PIN) label from the handset and record the number here:

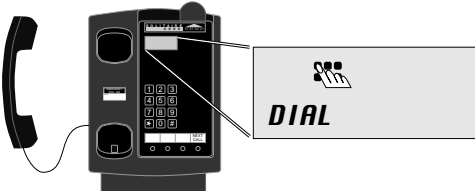


(Last four digits of the serial number, which can be changed by the PMS.)

## 2. Plug it in.



## 3. Lift the Handset.



Your Solitaire 6100 is now ready to use!

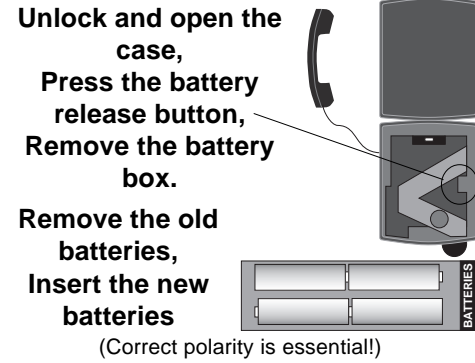
## Changing the Batteries

**NB: The PIN, Time and Day and any other settings you have made may be lost if you do not perform this swiftly. Read the information below before you change the batteries. In the event of a total loss of battery power, settings are restored by payphone calling the PMS after the batteries have been replaced.**

Use only **new alkaline** cells (4xAA cells, LR6 or MN1500), and **not rechargeables**.

**NB: Emergency calls can still be made when the batteries are exhausted.**

To change the batteries do not unplug your Solitaire 6100, simply lift the handset.



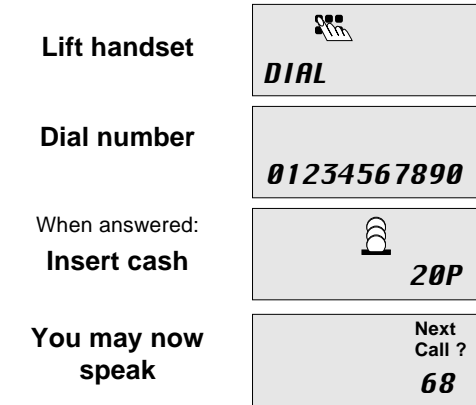
Replace the Battery Box, close and lock the case & replace the handset.

The display shows the correct time and normal function is restored: If display shows - - - - refer to Page (6).



## Making a Payphone Call

The Payphone Identification Tone (Beep...Bop) will sound in the earpiece. Calls to Emergency Services are free, no coins are required.



Display shows time left. At 10 seconds, expiry tone prompts to insert cash. Call is disconnected if time reaches 0, and **DIAL** prompt reappears.

## Payphone Mode – NEXT CALL

If sufficient cash credit remains after your first call, you may make further calls without inserting more cash. **DON'T HANG UP!**

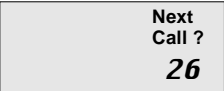
### Press NEXT CALL

Display shows credit left:



### Dial new number

Display eventually shows time remaining:



**You may now speak on your Next Call - Insert more coins if required.** You may use this sequence more than once.

## Basic Settings

Solitaire 6100 is factory programmed with the following Basic Settings. Many may be changed - refer to the appropriate section.

**Time/Day:** Both set to current. (Check B.S.T 1 Hr)  
**Memory Buttons:** Memory 1 preset to CreditCall.  
**Local Codes:** 0345, 0645 and 01399 are set. Others starting 03 or 08 are treated as Mobile.  
**Unit Fees:** National Minimum Deposit 20p, International Minimum Deposit 50p and Unit Fees 10.0p.  
**Unit Times (in seconds):**

Chargeband	Cheap	Daytime	Weekend
Local	105	75	105
Long Distance	48	26	74
Mobile	11	7	11
PCN	31	15	31
Eire	11	7	11
International 1	4.5	3.8	4.5
International 2	2.1	2.0	2.1

**Time Period Defaults:**  
Mon to Fri: Cheap 00.00-08.00 & 18.00-24.00.  
Mon to Fri: Daytime 08.00-18.00.  
Sat and Sun: Weekend Rate all day.  
**Dialling Type:** Set to Pulse.  
**Personal Identification Number:** On handset label.  
**Exchange/PABX Access:** Set to Direct Exchange Line.  
**Ringtime Limit Default:** Set to 45 seconds.  
**International Barring:** International calls are allowed.  
**Exception Dialling Code Defaults:**

Local	Free	Barred	Mobile	PCN	Long Distance
0345, 0645, 01399	0500, 0800	033,0447,0640,0660, 08364,0839,0881,089, 091021,0930,0991	03,04,05, 06,0705, 08,01459	07, 09	0990

**Service Numbers:** 100/142/192 Operator/Directory Enquiry calls are barred in Payphone Mode.

## Making an Owner Call

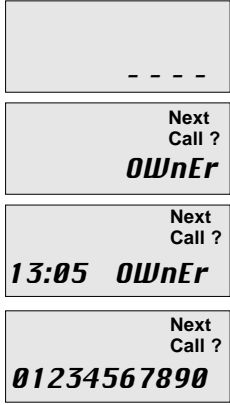
This feature is controlled by the PMS and may not be available. If it is available, an authorised payphone user (who knows the PIN) does not need cash to make a call. Begin with the handset in place:

**Press \* until time disappears, then Press #:**  
**Enter your four-digit PIN**

if correct, display shows:

**Lift handset**

**Dial number and Make your call.**

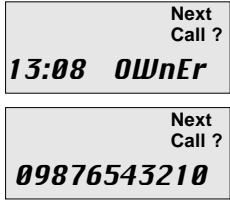


## Owner Mode – NEXT CALL

You may make another owner call without re-entering your PIN. If you wish to dial another number: **DON'T HANG UP!**

**Press NEXT CALL**

**Dial new number and Make new call**



You may use this sequence more than once. However if you replace the handset you will have to re-enter your PIN.

## Calling a Memory Number

Memory dialling is also controlled by the PMS. Memory numbers can be programmed to local taxi firms, CreditCall Access, head office numbers etc. They must be programmed before use - see (6).

**Lift handset, Press chosen memory button**  
Display shows selected memory number.



If memory number chosen is set to a FREE number, the call can proceed without coins. However if the number is set as a PAY call you will be prompted to insert cash as if the number had been dialled normally.

**NB: Memory numbers may be set at rates different from normal (e.g. a national number may be set at a local rate).**

Memory numbers may be used in the Owner Mode, when no cash will be required.

## Basic Programming Mode

To adjust your Solitaire 6100 settings, you must enter Programming Mode. Leave the handset in place and begin with the key locked:

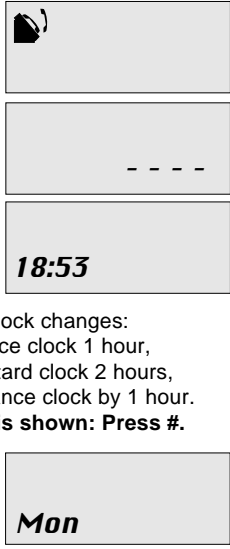
**NB: If the payphone is logged on to a PMS, the following settings are "view only":**

**Press \* until time disappears, then Press #**

**Unlock the case** (no need to open it)  
**Turn the key fully**  
**Enter your PIN**  
**Set time** (on keypad)  
**When correct: Press #.**

or, for B.S.T Clock changes:  
Press \* to advance clock 1 hour,  
Press \* again to retard clock 2 hours,  
Press \* again to advance clock by 1 hour.  
**When correct time is shown: Press #.**

**Set day** (on keypad) (1=Mon... 7=Sun, and 0 sets the payphone to perpetual daytime rate),  
**then Press #.**



## Programming the 3 Memory Buttons

Your Solitaire 6100 payphone now allows you to program 3 numbers on the memory buttons underneath the keypad; for example, a local taxi company, CreditCall Access or a head office.

You may record the details on the label under the clear plastic cover by using a ballpoint pen in the hole at either end of the cover and flexing it.

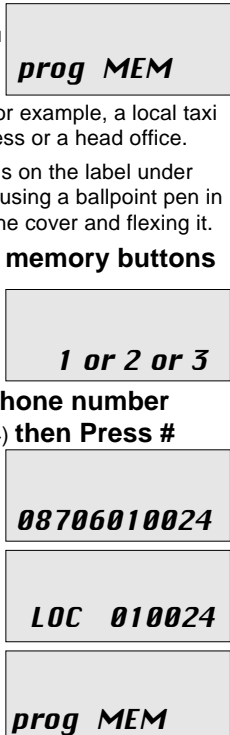
**Press one of the 3 memory buttons**

If the memory is empty, the display shows one digit for the empty memory you selected.

**Enter the telephone number** (e.g. 0870 601 0024) **then Press #**

Choose the chargeband required (e.g. Local) by pressing \* to move the display through the different chargebands available (including Free and Barred).

**When correct Press #.** Repeat for the other two memory buttons as required. Complete the label and refit the cover.



Advanced Feature Programming

Enter the advanced feature PIN (2468) to set other facilities, or Press \* to leave the Programming Mode.

- Advanced Features may then be accessed by pressing the relevant keypad number:-
- 1 = Unit Fees \*\*
  - 2 = Cashbox Status Indication
  - 3 = Dialling Type \*\*
  - 4 = Change PIN \*
  - 5 = PABX Access \*\*
  - 6 = Incoming Calls Allow or Bar \*\*
  - 7 =
  - 8 = International Allow or Bar \*\*
  - 9 =
  - 0 = Log On / Log Off

Notes:

- \* : The PIN cannot be viewed at the payphone if logged on to a PMS.
- \*\* : Items marked “\*\*\*\*” are “view only” at the payphone if it is logged on to a PMS.

and : Localisation and Least Cost Routing are only possible using the PMS.

Details of each setting follow:

0 - Log On / Log Off

To select “Remotely Managed” payphone mode, the payphone must be set to “Logged On”. In this mode, the payphone will make and answer data calls to the PMS.

For stand-alone working, the payphone must be ser to “Logged Off”.

Enter Advanced Programming Mode Press 0 on the keypad



Use \* to swap between Logged Off and Logged On.

Press # to return to *prog* prompt.

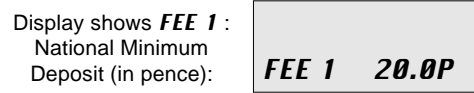
IMPORTANT NOTE:

If the payphone is set to LOGGED OFF, it will not respond to a Configuration sent by the PMS. To prepare for configuration, the payphone MUST be set to LOGGED ON.

1 - Unit Fees

You may press # at any time in the sequence to step to the next section. Lifting the handset during programming returns you to the payphone mode.

Enter Advanced Programming Mode Press 1 on the keypad



Enter a new value if required, Press # to step through:

- FEE 2 : National First Unit Fee
- FEE 3 : National Subsequent Unit Fee
- FEE 4 : International Minimum Deposit
- FEE 5 : International First Unit Fee
- FEE 6 : International Subsequent Unit Fee

Press # to return to *prog* prompt.

NB: Changing these values will affect call charges. If doubled, the call duration will be cut by half. Such changes must be incorporated in the payphone wall notice in order to comply with OFTEL regulations.

2 - Cashbox Status Indication

Enter Advanced Programming Mode Press 2 on the keypad

Display shows 0 = Cashbox not present,  
Display shows 1 = Cashbox present and Closed,  
Display shows 2 = Cashbox present and Open.

Ringer Equivalence Number

All items of telephone equipment have a Ringer Equivalence Number (REN). The REN is used to calculate how many items may be connected to the same telephone line.

The Solitaire 6100 has a REN of 3. A total REN of 4 is allowed on any one line.

Extension Telephones

To avoid unauthorised chargeable calls being made on an extension phone connected to your payphone line, any extension should be in a secure location.

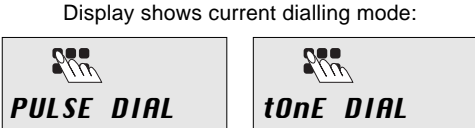
- Notes:
- 1 Calls accepted on an extension telephone cannot be subsequently transferred to the payphone.
  - 2 The Solitaire 6100 may periodically make and receive automatic PMS calls. If such a call is in progress, an extension telephone cannot make any calls.
  - 3 Similarly, the use of an extension telephone will disrupt any automatic calls to or from the PMS which may be in progress.

Future Coins

In the event that the Royal Mint introduces new coins, please contact our Helpline.

3 - Dialling Type

Enter Advanced Programming Mode Press 3 on the keypad

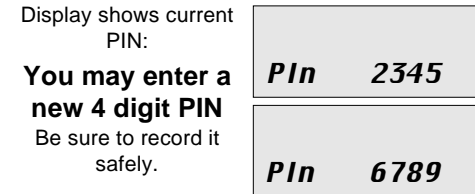


Press \* to swap between PULSE and TONE

Press # to return to *prog* prompt.

4 - Change PIN

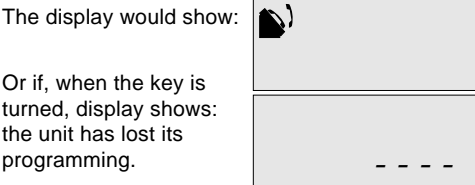
Enter Advanced Programming Mode Press 4 on the keypad



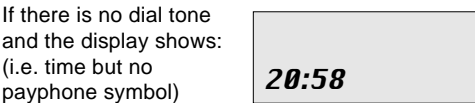
Press # to return to *prog* prompt.

Faults

If no Time of Day is displayed whilst the Solitaire 6100 is idle, the unit has lost its programming.



Continue with Page (6) of this guide.



Check the payphone is correctly plugged into the wall socket.

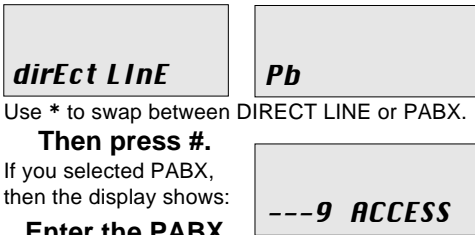
For ease of maintenance, the Solitaire 6100 is fitted with a quick release hinge. Open the case, push back the hinge and remove the payphone top from the base.

5 - PABX Access

If you require your Solitaire 6100 to work as an extension to a PABX system, these adjustments must be made correctly.

NB: The PABX must have Direct Dial In (DDI) capability to allow initial configuration.

Enter Advanced Programming Mode Press 5 on the keypad



Use \* to swap between DIRECT LINE or PABX.

Then press #.

If you selected PABX, then the display shows:

Enter the PABX access digit(s) (up to four digits, but usually just one=“9”) then press #.

The display then shows:

- the presending pause (e.g. 3 seconds: ask your PABX maintainer if necessary for advice.)

Enter a single digit for the pause, then Press # to return to *prog* prompt.

Approval

Your Solitaire 6100 has been approved to provide the following:

- A public payphone service.
- For exchanges supporting loop disconnect (LD) and multi frequency (MF) dialling.
- Inductive coupling to appropriate hearing aids.
- Call barring.
- Compatible for use with call routing apparatus.
  - call routing apparatus means PBXs, PABXs, key systems, dealerboards, key and lamp units, or automatic call distributors which provide a BS6312 compatible port and meet the requirements of BS6317 for simple telephones.
- The Solitaire 6100 is only approved for use as an extension instrument to compatible PBXs. Your supplier should be consulted for an up to date list.
- It cannot be guaranteed that the Solitaire 6100 will operate correctly under all possible conditions of connection to compatible PBXs. Any difficulties should be referred to your supplier.
- The Solitaire 6100 is not approved for use on PABX systems which return a secondary dialling tone if the delay setting is programmed to less than 3 seconds. Consult the supplier of your PABX if you are in any doubt.
- Solitaire 6100 is approved for use on a 1 + 1 carrier system.
- V.22 Modem and Payphone Management Capability.
- Safety: Solitaire 6100 is only approved for operating at Telecommunication Network Voltage (TNV). Do not attempt to alter or add additional connections to the Solitaire 6100.

Any other usage will invalidate the approval of the apparatus if as a result it then ceases to conform to the standards against which approval was granted.

6 - Incoming Calls Allow or Bar

Use this procedure if you wish to prevent incoming voice calls being taken on your payphone.

Enter Advanced Programming Mode Press 6 on the keypad



Use \* to swap between allowing and barring incoming calls.

Barring incoming calls applies a transmission mute, so you cannot speak to callers.

NB: The telephone line for the Solitaire 6100 must allow incoming calls for initial configuration to take place.

Press # to return to *prog* prompt.

8 - International Allow or Bar

Use this procedure if you wish to prevent international calls being made on your payphone.

Enter Advanced Programming Mode Press 8 on the keypad



Use \* to swap between allowing and barring international calls.

Press # to return to *prog* prompt.

OFTEL Regulations

If you are providing a payphone service to members of the public, regulations introduced by OFTEL in 1988 make it a legal requirement for you, the payphone owner, to display a notice alongside your payphone.

The notice must carry the following information:

- Details of any limitations of access to the operator services.
- Information on whether unused coins are returned to the user.
- The minimum payment required to make a call.
- The method of payment, that is, types of coin the payphone will accept.
- The full postal address of the payphone, to help with emergency calls.
- The identity of the person to be contacted in case of complaints.
- The basis of charging for calls from the payphone.
- A clear indication that 999 and 112 calls are free.
- When an extension is connected to the payphone, a warning that this may affect the privacy of payphone calls.



Solitaire 6100 meets the European Directives 89/336/EEC and 73/23/EEC for Electromagnetic Compatibility (EMC) and Safety (LVD).

Solitaire 6100 is designed and manufactured in the UK by Landis & Gyr Communications (U.K.) Ltd.

The figures below are for a Solitaire 6100 with its Basic Settings. If changes are made you MUST amend the User Notice.

Solitaire 6100
100 Operator Calls Barred
Unused Coins Not Returned
20p Minimum Payment
Pay On Answer 10p, 20p, 50p, £1
Address
Owner/Maintainer
Local Calls 7p/minute National Calls 26p/minute International Calls 300p/minute
999/112 Calls Free

We have included a copy of a suitable notice with your Solitaire 6100. You will need to complete some of the details yourself.

APPROVED for connection to telecommunications systems specified in the instructions for use subject to the conditions set out in them