

SWITCHABLE MESSAGE WAITING

There are three versions of message waiting indication supported within the Berkshire M-CAT (MW 3, 8 and 10). This selection is made via a 4 position switch located to the rear of the phone, indicated by the letters 'MW'.

A 'Ring Indicator' position is provided that has the additional benefit of being activated by short ring burst MW signals - see website for details.

In all cases, an LED in the top right hand corner of the telephone is used to indicate the selected functions and incoming calls. Any questions you may have should be directed in the first instance to your telephone supplier with details of your PABX. Further concerns may also be addressed by calling our Technical Support Dept. or visiting our website, www.atltelecom.com

HEARING AID COMPATIBILITY

For hearing aid users, an inductive coupler has been installed in the handset of the Berkshire M-CAT, to improve audible efficiency.

Compliance Notes

The Berkshire M-CAT may be connected to the following types of installation:

- Direct Exchange Lines (DEL)
- Compatible Private Automatic Branch Exchanges (PABX). Please contact the supplier of your Berkshire M-CAT Phone to confirm compatibility with your PABX.

Whilst the Berkshire M-CAT is compliant as an extension to a compatible PABX system, it cannot be guaranteed to operate under all possible conditions of connection. Any case of difficulty should be referred in the first instance to the supplier of your telephone.

Guarantee

Your Berkshire M-CAT is designed and manufactured to exacting quality standards. This enables ATL Telecom Limited to offer a 3

year guarantee from the date of purchase. This guarantee protects against faulty material or workmanship, applies to the UK only and is not transferable.

The terms and conditions under which the guarantee will be valid are as set out below.

1. Misuse or any modification carried out to the telephone, or operation other than in accordance with the instructions supplied, will invalidate the guarantee.
2. Damage arising from incorrect installation, accidental damage or consequential loss, are not covered under the guarantee.
3. In the event of a fault developing during the period of the Guarantee, the complete telephone should be returned to your supplier, adequately and safely packed, together with proof of date of purchase.
4. The liability of ATL Telecom Limited will be limited to the cost of repair or complete replacement of the same defective instrument, at the discretion of the company. In the event that the same item is not available, a suitable alternate will be offered.
5. The terms of this guarantee do not affect your statutory rights.

Manufacturer's Declaration

ATL Telecom Limited declares that this product is in conformity with the essential requirements of the 'R&TTE directive 1999/5/EC'

Note: A copy of the Declaration of Conformity is available upon request from ATL Telecom Limited.

ATL Telecom Limited,
Cypress Drive,
St Mellons,
Cardiff, CF3 0EG
Telephone: (029) 20500700
Facsimile: (029) 20500701
www.atltelecom.com



1/346/001/610 Issue 01 May. 2005



Berkshire M-CAT

The ATL Berkshire M-CAT (Card Activated Telephone) is a quality product made by ATL Telecom Ltd, designed to be used in conjunction with a credit/debit and pre-paid calling card platform. Details of the platform service provider will be available from your telephone supplier. The M-CAT is normally installed by telecom technicians, since it requires programming to operate with the service provider's credit/debit card and prepaid calling card platform.



Introduction

The atl Berkshire M-CAT is a unique product that allows telephone and modem data calls to be made using either prepaid phonecards or credit/debit cards. It is designed for use as an extension telephone to a PABX, as the M-CAT uses some of the features of the PABX system. It can be used on a direct exchange line (DEL), although great care must be taken during set-up in order to prevent possible misuse and fraud. These 'Call Barring' precautions are detailed in the installation section of this guide.

SITE SERVICE REGISTRATION

Whether PABX or DEL lines, service set-up of the M-CAT will require a telephone call to the service provider, where upon specific questions will be asked about your application. The service provider will then send you a 'commissioning card' that will allow you to program the M-CAT, along with a 'site registration form' to sign and return. This form identifies the M-CAT's 'site owner' and activates the commercial agreement between you and the service provider.

PRINCIPLE OF OPERATION

When a user swipes their credit/debit card through the M-CAT, the telephone automatically dials the service provider's 0800 access number. The user is then connected to the service provider's system and is prompted by a series of voice instructions. The card is checked whilst the user is on-line and is prompted to dial the number required. At the end of the call, the service provider's system charges the cost to the user's card.

ACCEPTED CARDS

The M-CAT works with Mastercard, Visa, American Express, Diners Club, and Delta, together with prepaid phone cards issued by the service provider. The sequence of operation as far as the user is concerned is identical.

PROGRAMMABLE PABX FEATURES

There are three one touch memory buttons that can be programmed at installation with frequently dialled numbers. When the M-CAT is connected to a PABX, these buttons can provide a means of making an emergency call, or can access a hotel's central reservations or similar service. Their use will need to be identified in any user instructions that are provided.

PABX INSTALLATION

In a typical hotel or similar applications, the rooms are wired as separate extensions of the main PABX, and a master line jack is provided in each room. The M-CAT is plugged directly into these sockets. Each M-CAT in the site needs to be programmed to call the service provider's 0800 access number before it will work.

The easiest way to program the service provider's access number and the other memory button numbers, is to store them in the PABX's central memory as system speed dial numbers. Most PABXs have this facility. The M-CAT is then programmed to dial the short access codes that make the PABX dial the stored numbers.

Some customers may have pre-arranged with ATL to factory program the short codes in advance, to comply with the PABX on site.

As many PABXs have different memory short codes however, these codes may have to be manually changed (see programming). Refer to the PABX programming manual for exact details on what is required.

Hotel example

In the main programming set up four system speed dial memories as follows;

Memory 0 - Service provider number.

Memory 1 - Internal operator, reception, or similar.

Memory 2 - Service number as required e.g. central reservations or similar.

Memory 3 - Other service number as required

Also in the PABX programming, bar access to outside lines from all M-CAT equipped extensions (except to free system speed dial numbers). **This is very important!** Failure to do this could result in users making calls directly from the M-CAT without the cost being charged to their card.

PABX Programming

1. To place the M-CAT in 'program mode', connect the M-CAT, lift the handset, and swipe the commissioning card sent to you.
2. The confirmation sound of two beeps will be heard if this is OK. If an invalid sequence is keyed when in programming mode, an error sound of 1 long beep will be heard.
3. Program the service providers access number by keying the following sequence; Press the mute/modem key (M) followed by # xxx M (where xxx is the speed dial code). Program the three memory button numbers in a similar way, referring to the summary table.
4. Key M**, and wait for the phone to dial the service provider. The service provider's system will advise the Terminal ID of that particular M-CAT. Keep a careful note of this together with the exact location of the phone (room number etc). This will be needed when registering the site with the service provider. Hang up when finished.
5. Make a test call using a credit card, debit card or prepaid phonecard.

Summary of programming command

Swipe config. card	Invoke programming sequence
M # xxx M	Program service provider access No. (xxx = No.)
M Mem 1 xxx M	Program Memory button 1 No. (xxx = No.)
M Mem2 xxx M	Program Memory button 2 No. (xxx = No.)
M Mem3 xxx M	Program Memory button 3 No. (xxx = No.)
M **	End Prog. mode and call to get Term. ID

DEL Programming

For smaller installations that have a Direct Exchange Line only, and no PABX, such as a guest house, use the following instructions.

1. Arrange for the network operator to bar all incoming calls, and all outgoing calls except 999/112, and 0800. **This is very important!** Note that on DEL's the three memory buttons should only be able to dial 999/112 and 0800 numbers.
2. To place the M-CAT in 'program mode', connect the M-CAT, lift the handset, and swipe the commissioning card sent to you.
3. Press the mute/modem key (M) (#) "ACCESS NUMBER" (M). This number will be dialled as the service providers access number when a card is swiped through the M-CAT.
4. Press M** to exit program mode. This will also initiate a call to the service provider where upon a 'Terminal ID#' will be issued by the service provider. Take note of this number and hang up.
5. Make a test call using a credit card, debit card or prepaid phonecard.

Additional Features

MESSAGE WAITING

MW3 is used by systems that use high voltage DC signalling. MW8/10 however use line reversal methods to indicate that a message is present.