



HOMEFREE AT CARE CENTERS



WIRELESS MONITORING UNIT (iDEU 800/iDEU 800-2) OPERATIONAL GUIDE

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1 INTRODUCTION.....	1-1
1.1 PARTS OF THE WIRELESS MONITORING UNIT (IDEU-800).....	1-2
1.1.1 LED Panel.....	1-3
2 MOUNTING THE WIRELESS MONITORING UNIT (IDEU-800).....	2-4
2.1 PERMANENT ANCHOR/DOWEL WALL FITTING.....	2-4
2.2 TEMPORARY VELCRO WALL FITTING.....	2-5
3 ACTIVATING THE WIRELESS MONITORING UNIT	3-7
4 FCC NOTICES.....	4-8

TABLE OF FIGURES

Section

Page

Figure 1-1	Wireless Monitoring Unit (iDEU-800).....	1-2
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1 Introduction

The new improved Wireless Monitoring Unit (iDEU-800) is a versatile combination of both transmitter and receiver that is designed to extend the transmission/reception range of HomeFree at Care Centers systems.

The Wireless Monitoring Unit (iDEU-800) is one of many specifically positioned mini control units that are placed at various locations throughout the facility and are capable of receiving transmission signals from multiple sources and then transferring these signals to the next Wireless Monitoring Unit (iDEU-800) in the network, or directly to the Wireless Monitoring Base Unit.

The Wireless Monitoring Unit (iDEU-800) transmits on an American FCC tested and approved frequency; whereas the European version (iDEU-800) transmits on a European tested and approved frequency. From a user interface and functional point of view, the two models are identical; therefore this operational guide serves both versions.

1.1 Parts of the Wireless Monitoring Unit (iDEU-800)



Figure 1-1 **Wireless Monitoring Unit (iDEU-800)**

Control	Usage and Description
LED Panel	Used to show transmission and reception indication, backup battery charge status and external power supply status.
7.5 VDC Power Socket	Used to connect the Wireless Monitoring Unit to the external power supply

1.1.1 LED Panel

The faceplate of the Wireless Monitoring Unit (iDEU-800) comprises of 4 LEDs (Light emitting diodes).

The purpose of each LED is explained in the following table:

LED	Description and Purpose
Reception	Blinks when receiving transmission signals
Transmission	Blinks when transmitting signals
Charge	Steady light indicates internal battery is fully charged. Charge LED blinks when internal battery is not fully charged
Power	Steady light indicates external power OK. Power LED blinks when external power is disconnected

2 Mounting the Wireless Monitoring Unit (iDEU-800)

For a Wireless Monitoring Unit to receive and transmit signals with maximum efficiency, it should be mounted on a wall or flat surface and positioned upright. The Wireless Monitoring Unit should also be mounted within reach of a power outlet (an electrician may need to install a power outlet near the chosen Wireless Monitoring Unit location).



Note that the distance between the wall and the Wireless Monitoring Unit should be at least 10 cm.

There are two ways to mount the Wireless Monitoring Unit. The first is to mount the Wireless Monitoring Unit on the wall using the fixed mounting brackets together with the dowel and screw fitting, and the second is to use the fixed mounting brackets and a Velcro fitting. Both of these fitting options are supplied with the Wireless Monitoring Unit.

2.1 Permanent Anchor/Dowel Wall Fitting

The anchor/dowel wall fitting is generally used for installing the Wireless Monitoring Unit in a permanent location.

In order to mount the Wireless Monitoring Unit using the anchor/dowel wall fittings, perform the following:

1. Place the Wireless Monitoring Unit on its faceplate with the fixed mounting brackets facing upwards.
2. Make a drilling template by tracing around the mounting brackets on the back of the Wireless Monitoring Unit onto a piece of A4 paper, not forgetting to mark the holes for the anchor/dowels.

3. Using the template, drill two holes in the wall and place the supplied wall anchors/dowels into these holes.
4. Insert the supplied bolts/screws into the wall dowels, ensuring not to tighten the bolts/screws completely.
5. Holding the Wireless Monitoring Unit with the mounting brackets facing away from you, maneuver the holes on the mounting brackets over the bolts/screws already attached to the wall.
6. Pull the mounting brackets down over the bolts/screws slightly to ensure that the bolts/screws lock into the holes on wall bracket.
7. Using an extension ratchet, tighten the bolts/screws until the Wireless Monitoring Unit sits firm against the wall and does not move in any way.

2.2 Temporary Velcro Wall Fitting

The Velcro wall fitting may be used for installing the Wireless Monitoring Unit in a temporary location (e.g. during pre-installation and range setting procedures).

In order to mount the Wireless Monitoring Unit using the supplied Velcro wall fittings, perform the following:

1. Place the Wireless Monitoring Unit on its faceplate with the fixed wall brackets facing upwards.
2. Peel off the paper strip from the backside (smooth side) of the black Velcro attachment and press the sticky side down onto the wall bracket. Do this for both wall brackets.
3. Place the bristle side of the transparent Velcro attachment on top of the black Velcro attachment and press down firmly, connecting the two Velcro attachments together.
4. Peel off the paper strip from the backside (smooth side) of the transparent Velcro attachment.

5. Holding the Wireless Monitoring Unit with the mounting brackets facing away from you, maneuver the Wireless Monitoring Unit to a suitable mounting location.
6. Using sufficient pressure, adhere the mounting bracket on the Wireless Monitoring Unit, to the wall.

3 Activating the Wireless Monitoring Unit

In order to activate the Wireless Monitoring Unit, perform the following:

1. Connect the adapter end of the power supply to a power outlet.
2. Connect the small end of the supplied power supply into the 7.5 VDC power socket located on the back panel of the Wireless Monitoring Unit.

The Wireless Monitoring Unit makes three audible beeping sounds. The Charge LED on the front panel flashes when the Wireless Monitoring Unit is first activated. The Charge LED and Power LED light up only after the backup battery is fully charged. The Wireless Monitoring Unit is now in monitoring mode.

4 FCC Notices

This note is applicable to the American Wireless Monitoring Unit (iDEU-800)

NOTE - The Wireless Monitoring Unit (iDEU-800) complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
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This device has been tested and found to comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION – Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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