



- ▶ LBB6152/01 Single storage rack, for Paging receivers and PS-micro Mobiles

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## 1 About this manual

### 1.1 Function

The Installation manual gives the install engineers and system operators the necessary data to install, configure and operate the LBB6152/01 single storage rack in Atus PS6000 and DP6000 systems.

### 1.2 Digital version

The Installation manual also is available as a digital file (Adobe Portable Document File, PDF).  
When the PDF refers you to a location that contains more data, you can click the text to go there.

### 1.3 Disclaimer

Atus is a brand name of International Pagerservices B.V. (IPS). IPS reserves the right to change data and/or specification of any equipment or software mentioned in this publication without prior notice. Although every effort is made to ensure that the information in this publication is accurate and correct, IPS is not responsible for damage arising from its misuse.

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### 1.4 Illustrations

The illustrations in this manual are indicative only and may differ with the real product.

## 2 Important Safeguards

Proper service and repair is important for safe and reliable operation of all Atus equipment.

Some service operations require the use of tools specially designed for the purpose. These special tools should be used when recommended. To minimize risk of personal injury and damage to the product only trained service personnel with awareness of hazards of electronically equipment must be allowed to service this product.

Under no circumstances should the original design be modified or altered without written permission from IPS B.V.

The manufacturer assumes no liability arising out of any unauthorized modification of design.



**Warning:** Use of substitute replacement parts, which do not have the same specified characteristics, may create shock, fire or other hazards. To maintain quality, use recommended IPS B.V. spare parts

### 2.1 Precautions and notes

The Installation manual uses 3 levels of precaution. The precaution gives the effect if you do not obey the instructions.

These are the types:

Note: A note gives more data.

Caution: If you do not obey the caution, you can cause damage to the equipment.

Warning: If you do not obey the warning, you can cause personal injury or severe damage to the equipment.

### 2.2 Signs

The Installation and User Instructions shows each caution, warning and danger with a sign. The sign shows the effect if you do not obey the instruction.



**Warning:** General sign for warnings and dangers.



**Caution:** Risk of electrical shock.



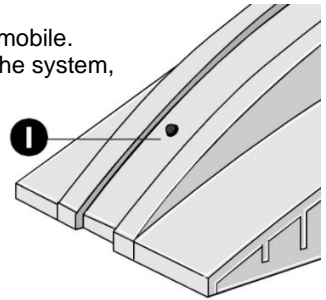
**Note:** The general sign for a note

### 3 Introduction

The single storage rack is a compact stylish design to store one paging receiver or a PS-Micro mobile. While a pager is placed in this rack, they could still respond normally to the DP6000 calls from the system, Depending on the setting of the internal switch in the storage rack.

The single storage rack is meant for table top use. If the storage rack is used in combination with ATEX certified mobiles, they must be placed outside the hazardous environment.

- ▶ The single storage rack is default delivered without PSU.
- ▶ The LBB6152/01 is compatible with its predecessor (the LBB6152/00) and can be used in combination with all Atus PS6000 and DP6000 personal security and paging systems. Depending on the setting of an internal switch a Pager will bleep nor not bleep when placed in the single storage rack.



**i** **Note:** The Single Storage Rack is not physically connected with the PS6000/DP6000 system, therefore absent detection will not take place. Instead of this, external signalization is one of the new options.

#### 3.1 Commercial items

Description	12 NC	Type Number
Single Charger	8900 615 20105	LBB6152/01
PSU for EU	8900 531 91505	LBB5319/15

Note: The PSU is included

## 4 Functional

When the Paging Receiver/PS-Micro mobile is placed in the rack, its batteries will be charged (if the switch in the battery compartment in the receiver/PS-micro mobile is set in the right position).

### 4.1 Bleep while in rack

Special for pagers a switch is built in the storage rack to decide if you want to receive calls or not when a pager is in the storage rack.

- ▶ By default the switch SW1 is set such that a pager will bleep when it receives a call while placed in the storage rack.

### 4.2 No Bleep while in rack/Charge only

This type of storage rack has the option to disable the pager to receive calls from the system. When SW1 is set In that situation the pager will not bleep when the system sent a call to that particular pager.

**Note:** The internal switch SW1 in the storage rack, can be reached by removing the bottom plate. When it is set to No-Bleep, the pager will not receive any call – so it will not bleep when called, calls are not stored in the pager's memory then.

### 4.3 LED indications

When a pager/PS-micro mobile is placed in the rack good positioning is indicated by the LED 1 on top of the storage rack.

- ▶ When the LED illuminates bright it indicates good positioning of the mobile.
- ▶ To see the different positions of SW1 (Bleep or No-Bleep mode) the LED on the storage rack will illuminate with reduced intensity when set in "No-Bleep" mode.

### 4.4 Reset Alarms (remote reset-absent)

- ▶ When a PS-Micro mobile is placed in the storage rack while the mobile is in alarm state, the alarm state of the PS-Micro mobile will be reset. This independent how is SW1 set.
- ▶ If the Alarm Central is programmed such that 'remote reset' is enabled, the alarm state in the central is reset too.
- ▶ If a PS micro mobile is placed in the rack, the internal alarm-sensors are disabled, besides this the mobile goes to absent-state in the system.

### 4.5 External Signalisation when in rack

When a pager is placed in the rack a relays becomes active. The relays has 2 voltage free contacts, one Normal Open (NO) and a Normal Closed (NC) contact which can be used for external signalisation if the rack contains a pager or not.

- ▶ This option can be used as a kind of external absent indicator.
- ▶ The electrical values are 12Vdc-1Adc
- ▶ Both pager receiver and a PS-Micro Mobile are detected.

### 4.6 Power Supply

The rack is powered from a 9-12 V power supply or car battery.

Connect the output power connector of the adaptor to the socket 2 at the rear of storage rack.

Connect the external power adaptor into a mains wall socket.

The storage rack is now ready for operation.

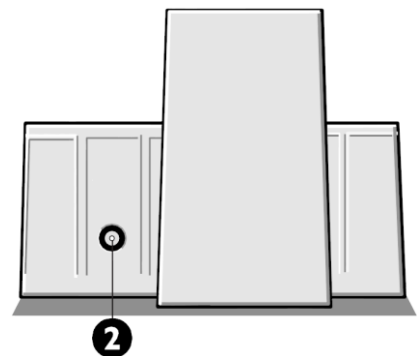
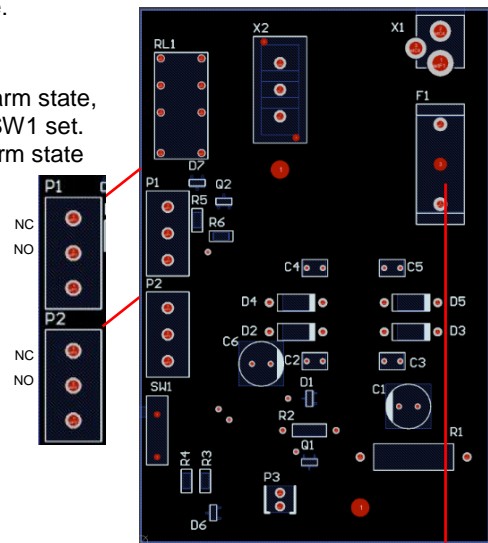
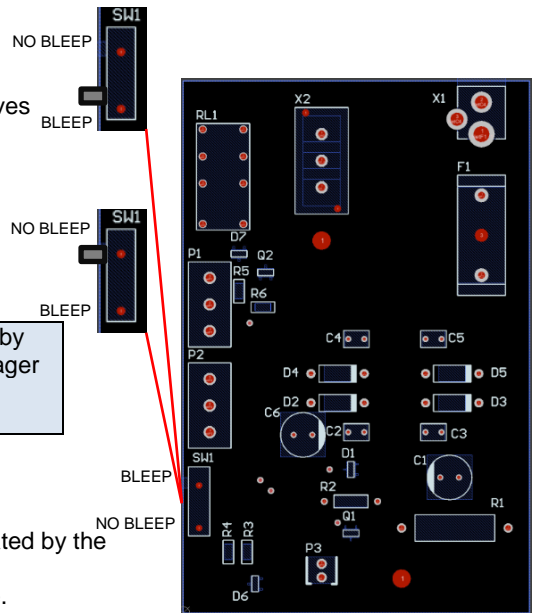
#### 4.6.1 Fuse

The Single Storage rack is equipped with a fuse F1, 250mA, to prevent overload.

The fuse is positioned inside the housing and can be reached by removing the bottom cover, unscrew the Printed board to reach it.

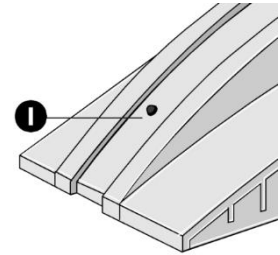
**Warning:**

- Do not place the racks close to sources of heat, radiators or in direct sunlight.
- IPS B.V. recommends that all critical and stationary equipment be connected to an Uninterrupted Power Supply.



## 5 Recharging a paging receiver/PS-Micro mobile

To recharge the batteries of a paging receiver/PS-Micro mobile, simply place it in the recharging bay of the storage rack. It will fit one way only. When the mobile is correctly seated, the indicator LED **1** will illuminate clear.



**i** **Note:** In order to charge the battery of paging receivers or PS-micro mobiles it must be fitted with rechargeable batteries, and the switch, in the paging receiver's or PS-micro mobile's battery compartment must be set to the correct position for rechargeable batteries. Refer to the relevant documentation

## 6 Mechanical

The housing of the rack is designed for desk top mounting. In case of a Paging receiver, the display (numerical or alpha-numerical) and the LED are still visible while the receiver is in the rack. When SW1 is in the "Bleep-position" the volume of the bleep will not be changed when the pager is placed in the rack. The design of the rack is such that it fits esthetically in combination with the 'rack-family' as LBB 6150.

The mobile's contacts at the bottom fit automatically when it is put in. When the mobile is placed in the rack, a click indicates good positioning of it.

## 7 Environmental data

Description	Requirements
Temperature range	: operating -10/+55°C : storage and transport -40/+70°C
Relative humidity	: < 95 %
Vibration and bump	: the storage rack is suitable for indoor use
Transport	: the packed products are suited for normal worldwide transport by air, rail and road
Industrial climates	: no special requirements.
Susceptibility to radiation	: the storage rack still fulfills the requirements when it is placed in an EM-field with a strength of 3 V/m with a frequency between 100 kHz -1000 MHz
Countries of destination	: no special restrictions
Safety	: according to IEC65
ESD	: 8 kV at rack contact may not affect the operation

## 8 Service

### 8.1 Service / repair policy

There are no spare parts made available, therefore there is no spare parts includes in this manual.

### 8.2 Repair policy

All kinds of repairs are to be carried out through the repair channel at IPS B.V.



**Note:** All In warranty repairs are handled according to the carry-in service level.  
OOW repairs = replacement.

### 8.3 Warranty limitation

**DOA (Dead On Arrival)** The purchaser must check the completeness (Charge rack without transformer) of the order at the time of delivery. If wanted, IPS B.V. will give a full replacement of a Charge rack that is not complete or has a fault. The purchaser must give notice of such a claim within four weeks from the date of invoice.



**Note:** In case that you apply for a DOA the complete product must be offered for repair/replacement.

**IW (In Warranty Repairs)** The IW period is for a period of 1 year from the date of production. Charge racks that have faults from normal use will be accepted for repair under the warranty agreement.

IPS B.V. will not be held responsible for:

- ▶ Charge racks that show abnormal use.
- ▶ Charge racks that are offered for repair after the 1-year IW period
- ▶ The power supply.
- ▶ Repairs that are made by a third party.
- ▶ Unauthorized modification of design.

**OOW (Out Of Warranty)** Charge racks that show abnormal use or become defect after the 1-year IW period ends are deemed OOW. IPS B.V. shall not be held responsible for such defects and the Charge rack is repaired as an OOW item. Items that are repaired by the centralized repair workstation of IPS B.V. have a one-month warranty to the repair.

### 8.4 General conditions

This service and repair policy does not replace the general conditions of sale of IPS B.V.

### 8.5 Maintenance

#### 8.5.1 Preventive maintenance

The following regular maintenance is required to keep the charge rack in optimal working condition:

- Clean the surface with a clean damp cloth if the charge rack becomes soiled
- Keep the charge contacts in the mobile clean (daily)

No other preventive maintenance required.



**Note:** For communication between Pagers/PS-micro mobiles to receive/transmit calls when placed in the storage rack, make sure that the RF-contact (coverage) between mobiles placed in the storage-charge rack and system is guaranteed. Check on this if system maintenance is carried out.





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