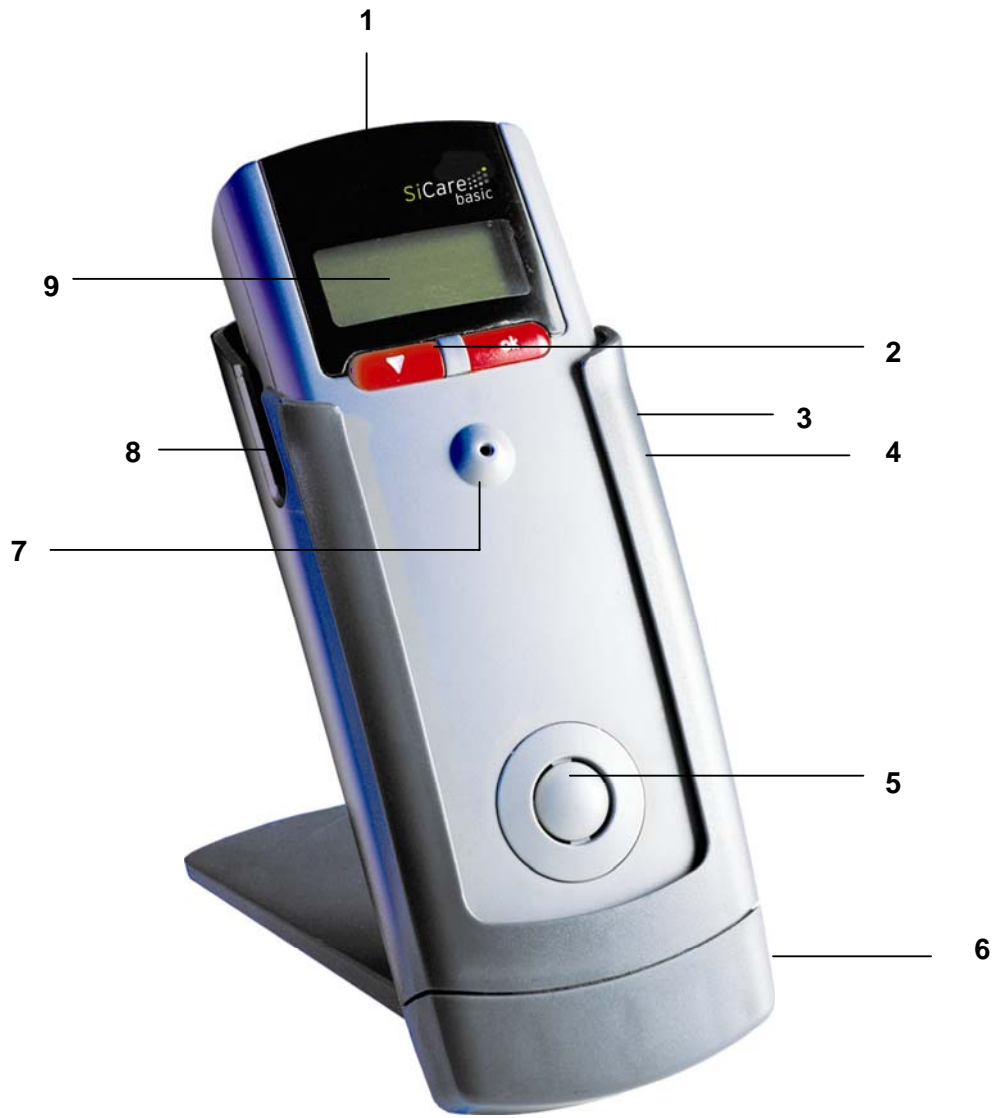


## Operating Instructions for Pilot Pro #88405



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(See page 6)

# 1. Introducing Pilot Pro

The Pilot Pro is a high quality, voice activated ECU enabling the user to operate equipment using spoken commands or switch control. With its improved voice recognition technology the new generation of Pilots solidify their place in the market as the premier voice-recognition ECU in the world!

The Pilot Pro can control multiple devices such as lights, appliances, hospital beds, nurse calls, thermostats, audio and visual infrared devices and IR Telephones.

The Pilot Pro uses "direct-to-unit" infrared learning making IR training faster.

The Pilot Pro features larger display fonts, new voice playbacks and an updated word list to reflect our North American market. We think you will like these new and improved features!

## **Pilot Pro and Pilot One differ from each other as follows:**

### **Pilot Pro:**

The Pro controls unlimited devices and appliances. Its menu can be 100% custom-made and can be modified and configured to a customer's specific needs. The Pro can operate 256 X-10 devices via RF, complex infrared controls for most audio and visual components, hospital room/bed control and AbleNet telephones.

### **Pilot One:**

Controls up to 15 different devices and appliances via a fixed menu structure. Menu contains the following: Television, Video, Satellite, Amp, Tuner, Tape, CD, DVD, Telephone, Six speed dials, Light, Lamp, Device, Bed, Book and Alarm (nurse call.) Menu items cannot be changed. Four X-10 controls (per IR Command Center, per room) are part of the One menu structure.

## 2. What you get

### **Purchase includes:**

Pilot Pro  
2 rechargeable batteries  
Holder with base  
Operating instructions  
Power adapter  
Connecting cable (to PC)  
Configuration Software

## 3. Safety notes

For your own safety, please observe the following points:

### **General**

- Please follow the notes in these operating instructions.
- Pilot Pro must not be used in the bathroom.
- Pilot Pro must not be used or stored in damp or hot rooms.
- Pilot Pro should not be used in life-or-death or safety-related situations however a nurse call system can be operated by the Pro.
- Repairs should only be performed by your dealer or AbleNet.
- NEVER replace batteries without contacting your dealer or AbleNet.
- If the Pilot Pro will not be used for a long period of time removal of the batteries is suggested to prevent unit damage.

### **Batteries**





- Keep batteries out of reach of children.

## 4. Equipment description

The illustration is on page 3.

- 1 Infrared transmitter
- 2 Function keys

**With the two red keys, most programming and usage functions can be activated. Select different functions by keeping the keys pressed briefly or for more than one second.**

- |             |  |   |
|-------------|--|---|
| <b>l</b> :  |     | press the <b>left key</b>                 |
| <b>r</b> :  | ok   | press the <b>right key</b>                |
| <b>L</b> :  |     | keep the <b>left key</b> pressed (>1sec)  |
| <b>R</b> :  | ok   | keep the <b>right key</b> pressed (>1sec) |
| <b>lr</b> : |  ok | press <b>both keys</b> at the same time   |
| <b>LR</b> : |  ok | keep <b>both keys</b> pressed (>1sec)     |

- 3 Jack for external switch
- 4 Jack for external microphone and external loudspeaker
- 5 Built-in loudspeaker
- 6 Jack for Power Supply or PC Connection
- 7 Built-in microphone
- 8 On/Off-switch
- 9 Display

### 4.1. Power supply

There are two power supply options for your Pilot Pro:

- Two batteries / rechargeable batteries AA, 1,5 V mignon LR6
- Power adapter (included in delivery.)

Your settings remain stored when batteries are removed even though the power supply remains disconnected.

#### **Fitting batteries:**

1. Remove Pilot from the holder by squeezing the holder from the sides.
2. Open battery compartment cover: push button and lift cover.
3. Note illustration inside battery compartment (+ and -) when fitting batteries.
4. Close battery compartment.

**Pilot Pro rechargeable batteries should last 2-3 years with under regular use. Please contact AbleNet if you require assistance with replacing rechargeable batteries.**

**Note:** Set the battery switch to the appropriate position (A or B)



**Position A:** Select this position when using rechargeable batteries. Rechargeable batteries are automatically charged. Charging stops once they are fully charged.

**Position B:** Select this position when using regular batteries. Position B prevents regular batteries from being recharged and thus avoids danger of damaging.

The Pilot Pro **MUST** be in its holder, FULLY SEATED, to recharge batteries.

#### **Connecting Power Adapter**

1. Plug the Power Adaptor into the holder.
2. Plug the power adaptor into a wall socket.

## 5. Preparation

Now that you have purchased the Pilot Pro it is always a good idea to prepare a list of devices and appliances you want to control with your ECU. Using the Pilot Pro you have an unlimited range of options to control; example – TV's, cable boxes, lights, etc.

Note: Consider which IR devices you would like to operate with your Pro and make a list of them. You should also include the brand name of the appliances if possible.

## 6. Settings

### 6.1. Selecting user language

1. Switch on: Set the slide switch on the left side of your Pro to position **ON** and press one of the red function keys briefly. Pilot Pro starts. The display shows:



2. Press **LR** to enter the setup menu. The display shows:



3. Press key **r** to move to bottom line. Continue pressing **I** until the desired language appears. Press **LR** to save the settings.

### **6.2.1. – Sero Telephone with speed dial. (Also see 6.7)**

The Pilot Pro will operate the Sero Telephone. It operates the six speed dial functions on the Sero Telephone using the command tree provided in the installation software.

A feature of the Pilot Pro is that six speed dial names can be RECORDED and PLAYED BACK in the users voice. For example, if speed dial 1 is for - Mom - the playback word will be – Mom – in the users voice.

**For instructions on using the Sero Telephone with the Pilot Pro please refer to Section 6.7 or contact AbleNet.**

## 6.2. Voice Training the Pilot Pro

**Every person pronounces the same words slightly different. To ensure that the Pilot Pro always understands you correctly you will “teach and train ” the Pro on how you say your commands.**

Make sure that no loud noises occur near you during training (door banging, voices, television.) You’ll want a quiet environment for voice training.

**Note:** For best results carry out the training at the same place and at the same distance as the Pilot Pro will be used on a regular basis (e.g., at the bedside, on the wheelchair). Pronounce the commands the same way you will pronounce them later. **The first training session is automatically carried out TWICE.**

1. Switch on: Set the slide switch on the left side of your Pilot Pro to position **ON** and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode.
3. Continue pressing **I** until the “training” menu appears.
4. Press key **r** to move to bottom line.
5. Press key **I**. The display shows:




You have now two options:

6. If you wish to do a complete training of ALL command words push **LR**. You will be prompted automatically to repeat all the command words that are possible.

**Note:** Please don’t move your Pro during the training. **For best results avoid background noises.**

**Also – The Pilot Pro allows voice training up to eight (8) times for each word. However four (4) times should be the average for a normal, CONSISTENT voice.**

The Pilot Pro is ready to record after having prompting the word. Pilot Pro confirms every word recording with a tone or repeats the word to be re-spoken.

7. **If only individual commands are to be trained, press key I.** The display shows as: 

8. Press **LR**. Your Pilot Pro speaks: "Repeat the following words" and the display shows:



9. Select the desired command word to train with key I. Scroll down with key I.

10. Press key **r**. Pilot Pro speaks the command. Say the command as prompted. A tone sounds if your Pro understands the command. Or will it will repeat the same word and the user should say it again.

11. Repeat steps 9 and 10 for all desired command words. (\*\*The number of times each word has been trained will appear to the right of the word.)

12. Press **LR**. Pilot Pro saves the learned command words.





**NOTE: To erase voice pattern of the displayed command only, press R. To erase ALL command voice patterns see 6.10.**

### 6.3. Setting speech sensitivity

You now have the option of setting the speech sensitivity for your Pilot Pro. The setting for normal voice volume should be about three (3) bars. You may have to experiment with the sensitivity setting to find the right level. For low volume voice users a lapel mic is **STRONGLY** recommended!!

1. Switch on: Set the slide switch on the left side of your Pro to position **ON** and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode.
3. Continue pressing **I** until the display shows:



4. Press key **r**.
5. Adjust the sensitivity with key **I**.
  -  = Pilot Pro reacts to quietly spoken commands. (Not recommended.)
  -  = Pilot Pro reacts only to loudly spoken commands.
  -  = Pilot Pro reacts only to key/switch operation.
  -  = By choosing this setting the Pilot Pro automatically adjusts the sensitivity of the built-in microphone to the surrounding noises. This is helpful if you intend to use your Pro outdoors or with a Ventilator user.
6. Press **LR** to save the settings.
7. After re-setting the sensitivity the saved command words should be erased and a new training session of commands words carried out.

## 6.4. Setting the volume of Pilot Pro (Confirmation)

You can set the volume for the spoken confirmation, or playback, of Pilot Pro according to your requirements.

1. Switch on: Set the slide switch on the left side of your Pro to position **ON** and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode
3. Continue pressing **I** until the display shows:



4. Press key **r**.
5. Set the volume with key **I**.

■■■■■ = Pilot answers loudly

■ = Pilot answers quietly

— = Pilot Pro carries out commands without spoken confirmation

6. Press **LR** to save the settings.

## 6.5. Setting the volume of Pilot Pro (Prompt)

You can set the volume for the spoken prompt of Pilot Pro according to your requirements when in Switch/Scan mode.

Select the menu item **Prompt** and repeat steps 4-6 of 6.4

**The general rule is:**

1. In Voice Mode - “Prompt” Off and “Confirmation” On.
2. In Switch/Scan - “Prompt” On and “Confirmation” On.

## 6.6. Single and Dual Switch mode

You have the option to operate your Pilot Pro with a single switch. (Call AbleNet for information on obtaining a Switch.) In this mode your Pro scans through the menu, pausing for a certain time at every command word waiting for confirmation. Voice activation is still usable!!

1. Switch on: Set the slide switch on the left side of your Pilot Proto position **ON** and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode.
3. Continue pressing **I** until the display shows: "replitio"
4. Press key **r** to move to bottom line and select a figure (1...5). Determine how often you want your Pro to scan through the menu before it stops again.
5. Move back to top line with key **r** and press **I** to get to the next appliance type "duration".
6. Press key **r** to move back to bottom line and select with **I** how many seconds you want your Pro to "linger" on every menu item
7. Move back to top line with key **r**. Press **LR** to save the settings.

### **Dual Switch Mode:**

The Pilot is designed to seamlessly accept Dual Switch scanning without having to re-set or re-program the unit. Simply plug in your Pilot-compatible Dual Switch (2.5mm) and you're done! Voice and Switch can now be used simultaneously. (Call AbleNet for assistance.)

**(Also see Section 6.9 for more information regarding Pilot's Switch/Scan Mode.)**

## 6.7. Telephone calls using the Sero Telephone

### **Number Dialing for the Pilot Pro:**

1. Switch on: Set the slide switch on the left side of your Pilot to position **ON** and press one of the red function keys briefly.
2. Say "Telephone" then say "Number."
3. Say the first digit. Pilot repeats this and sends an IR digit to the telephone.
4. Repeat step 3 for the rest of the digits. If Pilot misunderstands a digit or you make a mistake with the number say the command "back" until you get to the incorrect number and repeat. If you want to completely terminate the dialing process say "cancel" or "exit".
5. Once your numbers are correct on the telephone display say "Dial." The Sero Telephone dials the number and the Pilot Pro switches to the Sleep Mode to avoid receiving unintended commands during the phone call.
6. To terminate the call say "Wake up" - "Hang Up"

### **Speed Dial for the Pilot Pro:**

If in the command menu you have assigned names to the (Name 1 to 6) speed dials proceed as follows to dial these numbers.

1. Switch on: Set the slide switch on the left side of your Pilot to position **ON** and press one of the red function keys briefly.
2. Say "Telephone" and the name of the person you have voice recorded. Sero Telephone speed dials that name and the Pro is automatically put to sleep. You can speed dial up to six (6) names in the Sero Telephone.
3. To hang up the call say "Wake Up" and then "Hang Up".

### **Directory Dial in the Pilot Pro:**

1. Say "Telephone" then say "Directory". This brings up the Directory on the Sero Telephone. You can say "Up" or "Down" to move around the Directory. When the number you want to dial is on the display say "Dial."

- NOTE:** To jump to a specific alphabetical area in a large Directory list say the digit that corresponds to the alphabetical numbering system on your telephone keypads. This allows you to jump around a large directory list without having to say “up” or “down” multiple times. Say “Telephone” – “Directory” – “Number” – (“say the digit”) – “Exit” then Up or Down or Dial.

### **Receiving calls**

1. When your telephone rings say “Telephone” then say “Answer.”
2. Pilot Pro switches to the sleep mode. You can speak now. To Hang Up say “Wake Up” and then “Hang Up”.

**(\*\*Note – Call AbleNet or your dealer regarding questions on using the Sero Telephone with the Pilot Pro.)**

## **6.8. “Sleep” – “Wake up”**

To prevent the Pilot Pro from receiving unintended commands, put it into the Sleep Mode with the command “Sleep”.

The display shows:



Pilot Pro now only reacts to the command word “Wake up” which reactivates the unit.

## **6.9. Operating Pilot Pro using a Switch or the command words “Next” and “Do it”.**

(Also see Section 6.6 regarding Switch/Scan usage and set-up.)

### **Single-Switch Mode**

After switching on, Pilot Pro scans through the menu.

When your Pro speaks the desired command, confirm it with:

- 1. The “OK“-key (r) on your Pilot Pro.**
- 2. Your Switch.**
- 3. The default Pilot Pro command word “Do it“.**

Pilot Pro carries out your command and resumes scanning through the menu. After having done this for a predetermined number of repetitions the Pro stops at the first menu item. Restart the procedure as described in 1. or 2.

### **Operation with the command words “Next“ and “Do it“**

Operating your Pilot Pro with the command words “Next“ and “Do it“ is always available without any re-programming or re-setting.

- 1. Say the command word “Next” to move to the next word in your menu tree. (With Prompt ON you will hear the words spoken to you.)**
- 2. To get to the next menu item repeat this until you have reached the desired item.**
- 3. Say “Do It” to execute this command.**

## 6.10. Erasing saved settings

### Erasing commands:

If the command words are poorly understood you have the option of erasing all trained command words. **For erasing individual commands see 6.2 steps 7-9 and press R.**

**A new training session must be done after erasing all. However the devices and IR set-ups are retained.**

1. Switch on: Set the slide switch on the left side of your Pilot Pro to position **ON** and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode.
3. Continue pressing **I** until the display shows: **“clear tra”**
4. Press key **r** to move to bottom line.
5. Change the symbol **-** to **+** with key **I**.
6. Press keys **LR and hold for a second**. The display says:



please  
wait.....

## 6.11. Erasing all Commands and Appliances

To erase all commands as well as all previously selected appliances proceed as follows:

1. Switch on: Set the slide switch on the left side of your Pilot Pro to position ON and press one of the red function keys briefly.
2. Press **LR** to enter the set-up mode.
3. Continue pressing **I** until the display shows: "clear all"
4. Press key **r** to move to bottom line.  
Change the symbol - to + with key **I**.
6. Press keys **LR** and hold for a second. The display says:



**please  
wait.....**

## 7. Care and Maintenance

- Pilot Pro is maintenance-free.
- Before cleaning the unit, switch it off and if necessary disconnect it from the power supply.
- Clean the Pilot Pro using a dry cloth. If heavily soiled use a cloth slightly dampened with mild soap.

**Attention!** Liquids must not get inside the unit!

- Do not use any strong cleaner or solvent that could harm the plastic surface.

## 8. What if...?

<b>Problem</b>	<b>Cause</b>	<b>Remedy</b>
<b>I say a command word but my Pilot Pro does not react?</b>	Your Pilot Pro is not switched on	Switch on your Pilot
	Your Pilot Pro is in sleep mode (the display shows: "wake up")	Reactivate your Pilot with the command word "wake up"
	The speech sensitivity of your Pilot Pro is set too low	Set the speech sensitivity higher until your Pilot reacts as desired
	Your Pilot Pro is set to switch operation	Switch your Pilot back to voice operation
	Your Pilot Pro is in the settings menu	Switch your Pilot back to the operating menu
	The command word is not trained	Do a new training session
	The appliance has not been selected	Select the desired appliance
<b>My Pilot Pro correctly repeats the command word but does not carry out the operation</b>	You previously operated a different appliance	Select the desired appliance with the appropriate command word and issue the command again
	The appliance is switched off	Switch on the appliance or put it in the standby mode
	The appliance type is not correctly selected	Select a different appliance type and test it
	The appliance can not carry out this function via remote control	Re-scan the remote control signals into the Pilot Pro

<b>Problem</b>	<b>Cause</b>	<b>Remedy</b>
<b>My Pilot Pro repeats an incorrect command word</b>	Your Pilot Pro interprets the command incorrectly	Do a new training session, edit just that word or alter the speech sensitivity
	The ambient noise level is too high	Set the speech sensitivity of your Pilot Pro lower and speak the commands louder or use a lapel mic
	You are pronouncing the commands differently than during the training	Pronounce the commands the way you did during the training or repeat the training

## 9. Technical Data

### **Power supply:**

Rechargeable battery operation: 2 rechargeable batteries (1.2 V AA or NiMH)  
 Power Supply: Power adapter, stabilised, at least 750 mA with 9,18 V

**Infrared range:** approx. 10 m / 30 feet

### **Temperature range:**

Storage and handling: -10°C - +40°C, 5 – 85 % rel. humidity

## **FCC Class B Digital Device or Peripheral – User’s Notice**

**NOTE:** This equipment has been tested and found to comply with the limits for a 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 equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment 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 try 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 receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

**WARNING:** Changes or modifications not expressly approved by AbleNet could void the user’s authority to operate the equipment.

This device 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.

### **Industry Canada ICES-003 Label Requirements**

This digital apparatus does not exceed the Class A/B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus”, ICES-003 of Industry Canada.

## 10. Warranty

- Warranty is null and void if the silver serial number label, located on the back of the unit is removed or tampered with in any manner.
- AbleNet warrants each of its products to be free from defects in material, and/or workmanship for a period of 12 months from the date purchased by the customer. This warranty is expressly in lieu of all warranties expressed or implied. This warranty shall not apply to AbleNet equipment which shall have been repaired or altered by unauthorized service personnel, or which has been subject to misuse or damage or operated in any other way than its intended use. This warranty does not cover damage in transit. AbleNet liability shall be limited to consequential or incidental damage or transportation costs. AbleNet, its employees and officers shall not be responsible for any special, consequential or incidental damages, however caused.
- Claims for warranty repair must be accompanied by a copy of the bill of sale as proof of date of purchase and an AbleNet return authorization number.

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