

# BRICON

## SPEEDY



# User Guide

## International version

**BRICON nv**

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*THE SPEEDY is intended for the electronic timing of racing pigeons.  
THE SPEEDY should only be used for the purpose that it is intended.  
Protect THE SPEEDY against water and extreme sunlight and temperatures..*

**Modifications reserved.**

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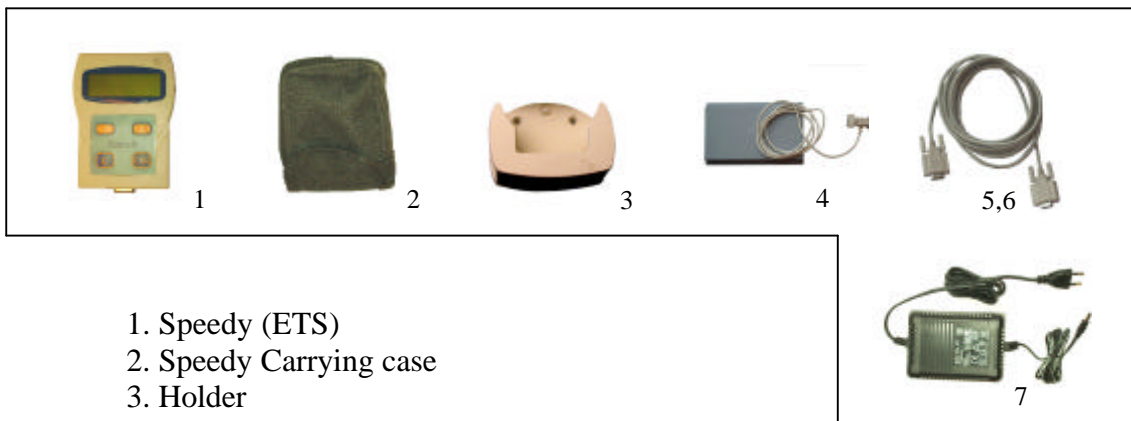
# **1. Installation**

## **1.1. Foreword.**

Thank you for your trust and confidence in BRICON.  
This manual will give a detailed explanation of the functions of the Speedy.  
BRICON wish you much enjoyment with your purchase.

## **1.2. Unpacking the installation.**

A Speedy pack contains:



1. Speedy (ETS)
2. Speedy Carrying case
3. Holder
4. Loft antenna
5. Loft antenna cable
6. Cable for connecting antenna (short cable)
7. The power supply (12 volt transformer)

## **1.3. Assembly of the electronic timing system.**

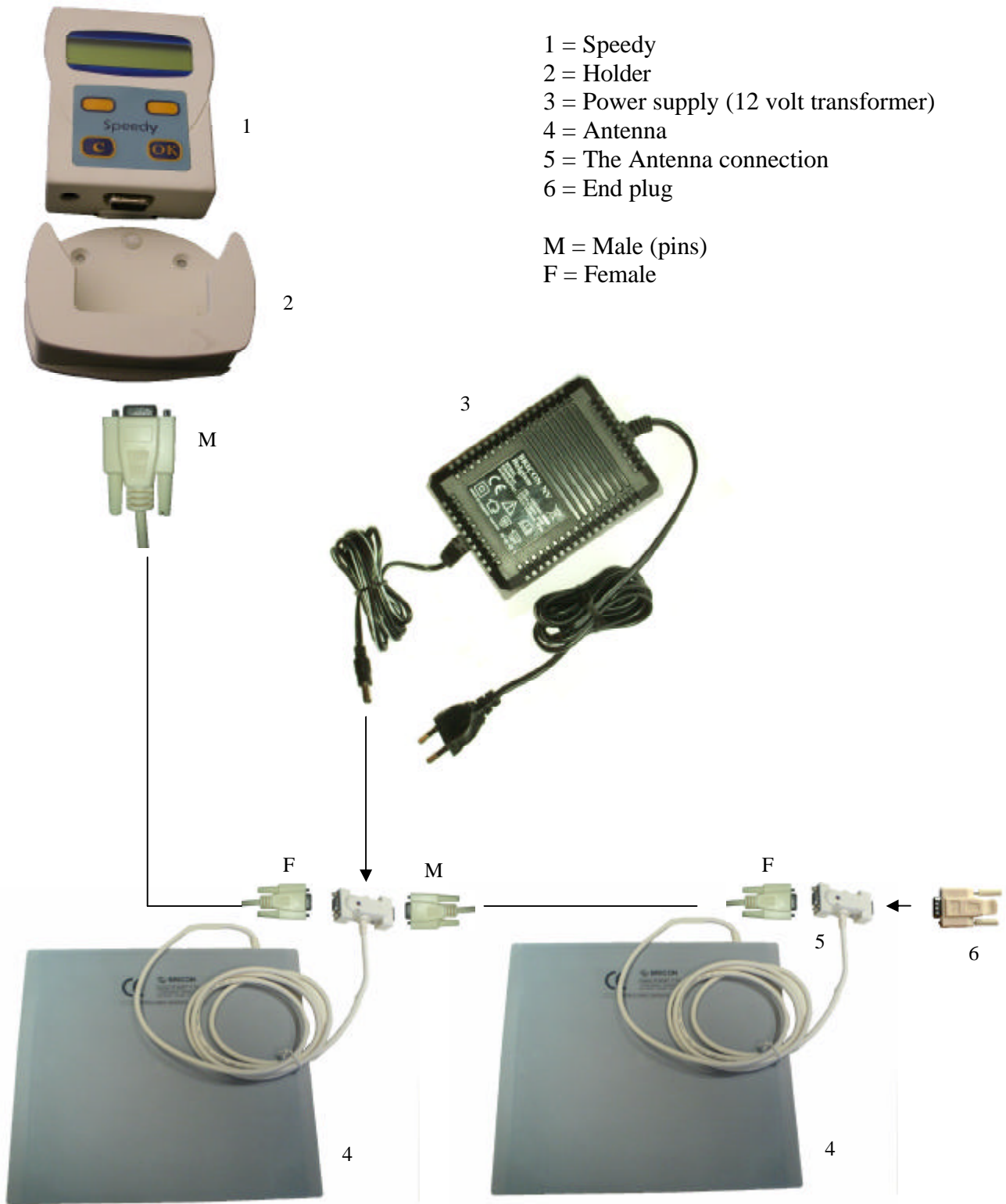
*Attention : The first thing that one must do is to program or number the antennas (page 7).*

If using more than one antenna, link the antennas together using the cables provided. These cables have a 9-pin connection on both ends (male and female).

Connect the Speedy in the same way and finally connect the power supply. Where possible, connect the power supply into the centre of the installation. The standard power transformer supplied is 1500mA. The power consumption of the Speedy and the antenna pads can be found on each item, and it should be noted that installations with multiple antenna pads may need an additional power supply.

After completion, the red light on the antenna connection will light up and the Speedy will start up. If this fails to happen, there is a cable failure or a power supply problem and these should be checked.

A diagram of the installation appears on page 5, which should be studied before installing the system. It is possible to purchase extension cables if necessary, which can be obtained from your local dealer. If a large number of antenna pads are connected, then an end plug will need to be connected. If you have any questions regarding the installation please connect your Bricon dealer.



## 2. Assembly of the system

### 2.1. Before you can clock.

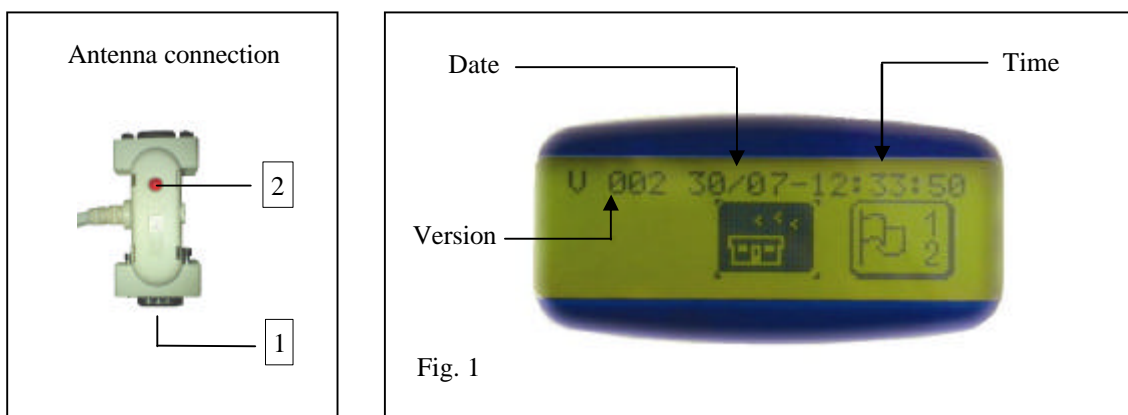
Before you can time pigeons, you must go through the following steps:

- First of all you must program the antenna pads (see 2.4).
- After programming the antennas, the installation can then be completed by connecting the antennas pads to each other.
- The ring numbers of the birds can then be linked to the electronic chip rings (see 3.1).

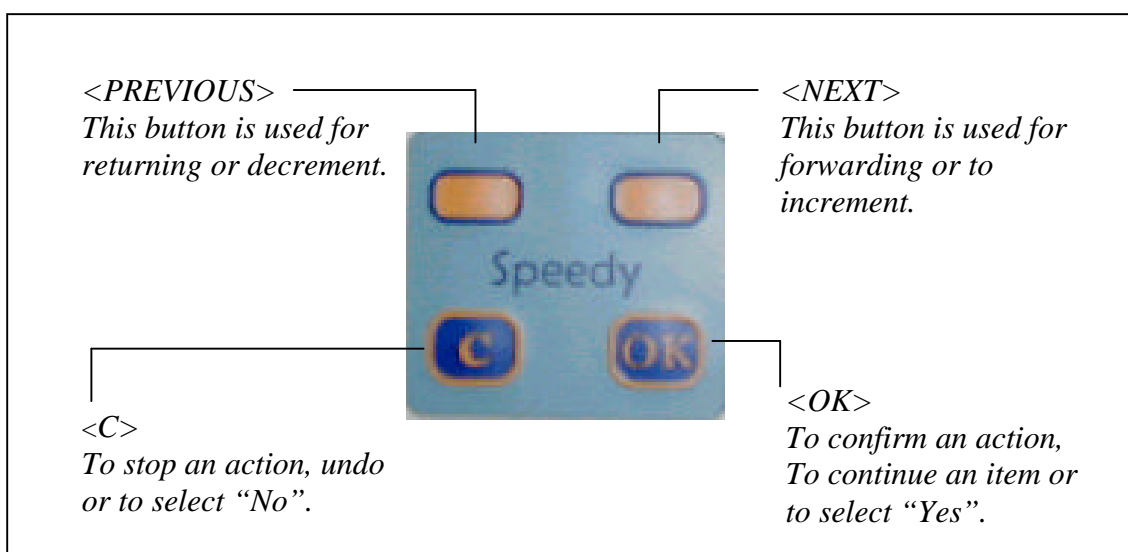
### 2.2. Exploring the Speedy menu.

After connecting the clock to the antennas, you can plug the power supply into the antenna connector, and the red power light will show (2).

After initialisation you see the following screen on the Speedy (fig 1.).






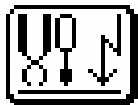
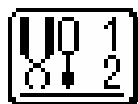


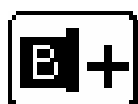
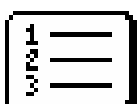

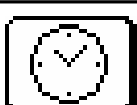


The Speedy is very easy to use with only four buttons on the keypad which completely control the functionality. The four keys are as follows -



## Speedy is menu driven.

The complete functionality of Speedy is accessed through a menu-structure using 13 different items. All items are graphically presented by an icon, which are set up in order of frequent use. The icon required should be positioned in the centre of the Speedy display using the orange navigation buttons, and then accessed by pressing the <OK> button. Listed below you will find each of the icons and its function.

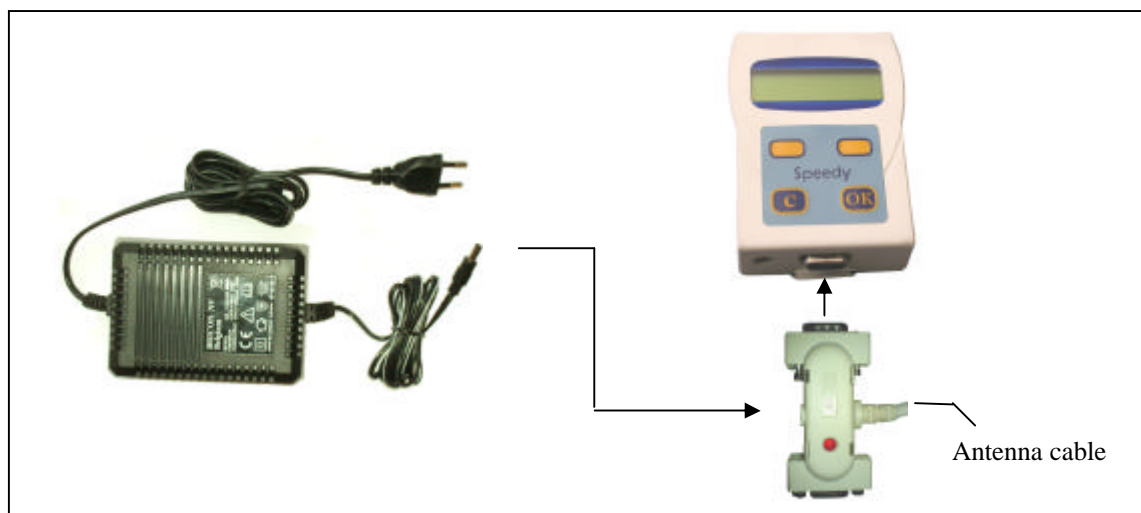
 Clocking	 Races	 Basketing
 Read out	 Delete	 Antenna test
 Antenna prog.	 Print clocking	 Print overview
 Linking birds	 Browse pigeons	 Add/edit fancier
	 Set date- time	

By pressing the <C> button you can see a text explanation of the icon.

### 2.3. Programming antennas.

Before you use the clocking system, you must program or number the antennas, giving each antenna on your system a different number. Each antenna when delivered has a default setting of number 1.

Connect Speedy to just one antenna at a time.



Select 'Antenna progr.' (fig. 1) and confirm with <OK>.

Fig.1



Please Note: By *pressing the <C> button,*  
*the reference text hidden behind the icon appears.*

Speedy prompts with the number 1. With the orange buttons <NEXT> or <PREVIOUS> this number can be changed. Choose a number from 1 to 4 and confirm with <OK>. Speedy starts programming the antenna and once finished (programming OK) push <OK> to return to the main menu. The Speedy is now ready to program the next antenna.

**Attention!** *Each antenna in the system must be allocated a different number from 1 to 4.*

## 2.4. Antenna test.

To test the detection quality of the antennas select 'Antenna test' (fig 2) and press <OK> .

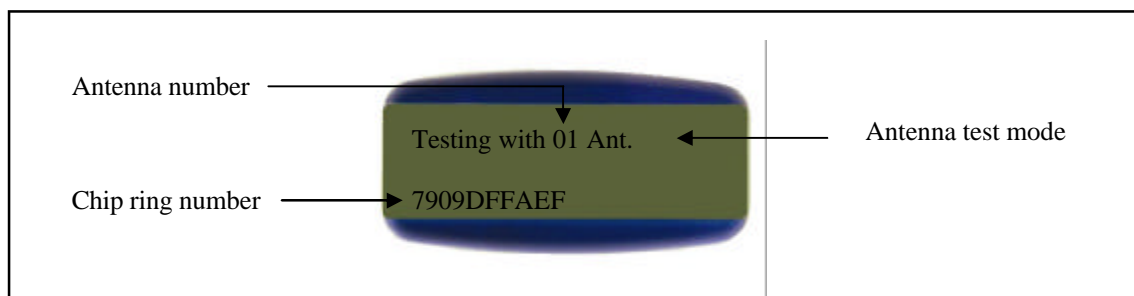
Fig. 2



Please Note: By *pressing the <C> button,*  
*the reference text hidden behind the icon appears.*

Speedy will indicate the number of antennas found. When you hold a ring over the antenna pad the Speedy will start beeping. This allows you to see if the antenna installation is done properly and the registration quality is good.

Speedy should beep if the chip-ring is held at a height of 5 to 6 cm (2 to 3 inches).

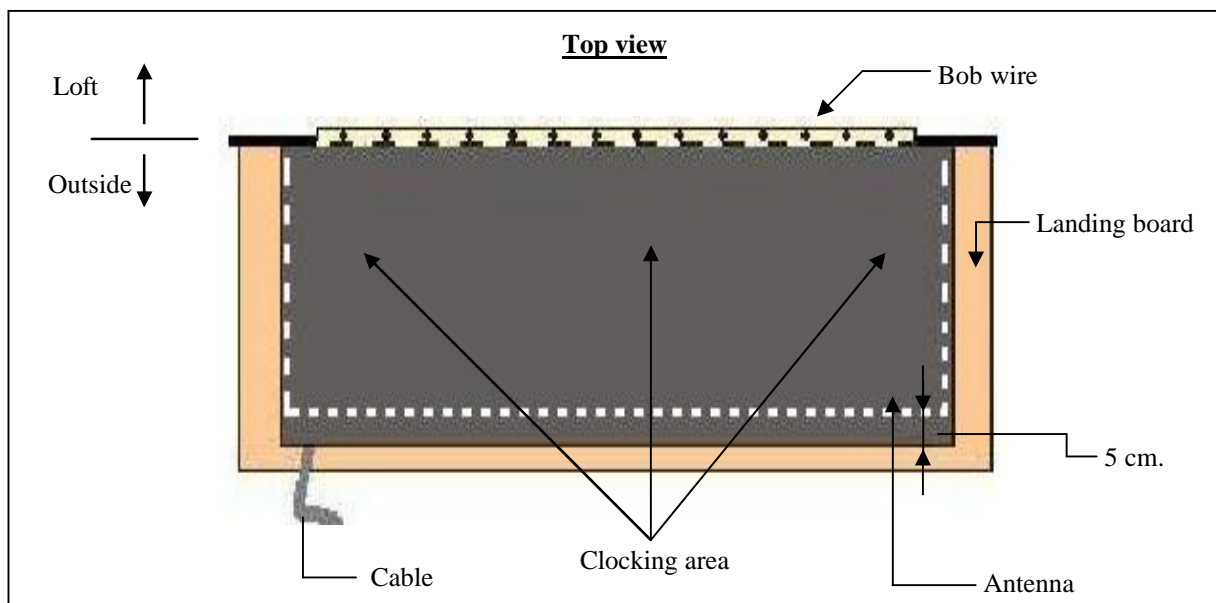
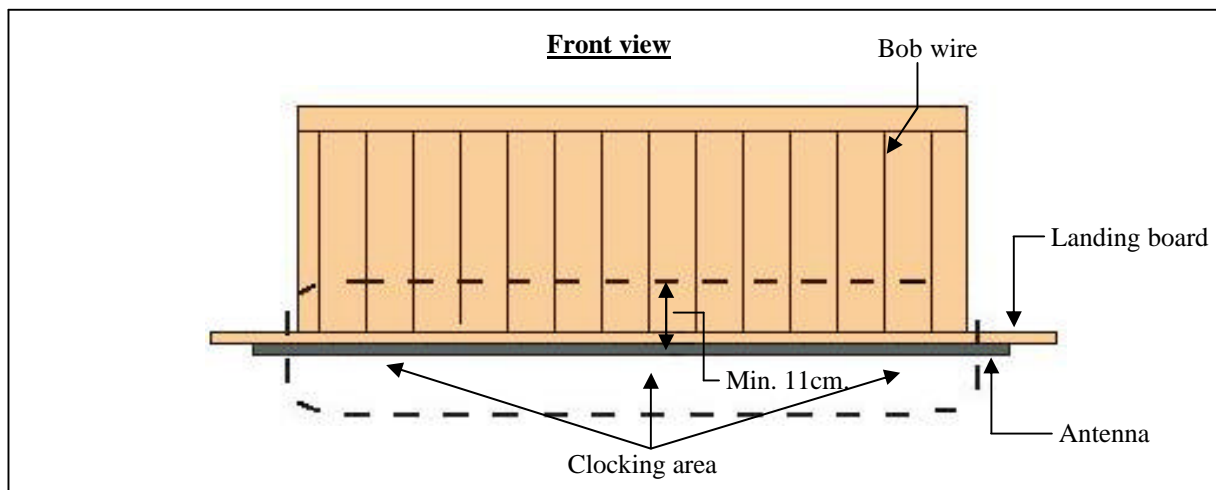




## 2.5. Installing the antennas.

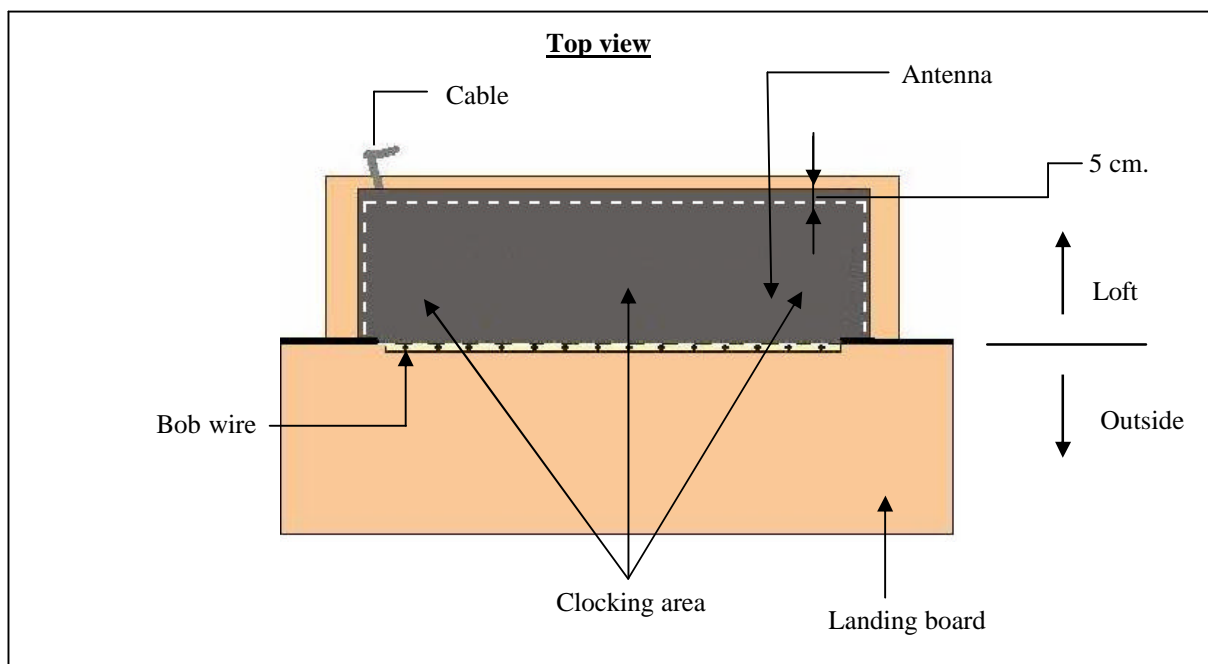
The antennas are connected to each other in line using connection cable. Each antenna pad has an integral cable attached of 1.80 m. The Speedy clock should be connected to the antennas. An end plug should be connected to the final antenna in circumstances where more than four antenna pads are connected together in the system. As the signal will pass through most materials, it is possible to install the antenna either above or beneath the entrance board of the loft (with a recommended thickness of no more 15mm). The entrance hole to the loft must be 2 cm smaller than the width of the antenna pad. Bricon produce a range of antenna pads to meet the needs of any loft, supplying pads in widths of 14 cm, 28 cm, 50 cm and 70 cm. The BRICON antenna will record over the entire width of the pad and therefore tunnels are not needed. It is advisable however to slow down the pigeons before they enter onto the antenna. It is advisable to install the antenna pads at least 1 metre away from each other. Within the surrounds of the antenna pad, metal is not allowed (either under and above the antenna).

### Antenna under the dropping board and before the bob wires



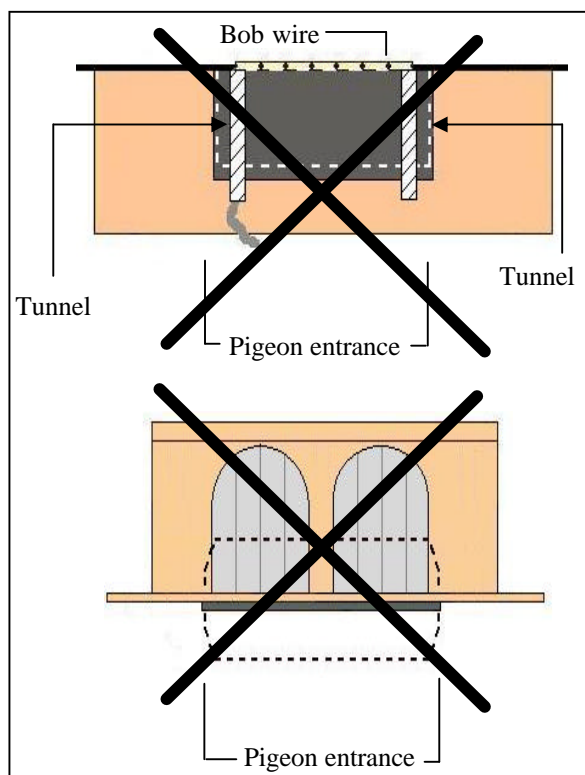
**Attention ! Install the antenna with the cable outside**

### Antenna pad inside of the entrance and behind the bob wire

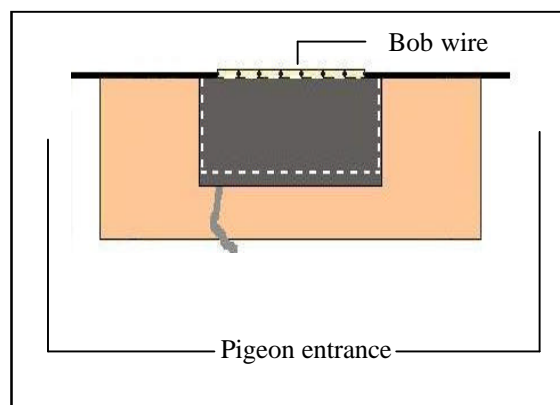


*Attention ! Install the antenna with the cable outside*

### With tunnel



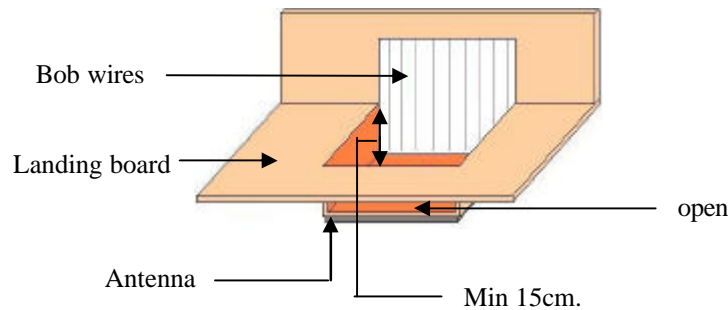
### Without tunnel



With BRICON antenna pads a tunnel is not necessary.  
In the most cases tunnels prove to be a big disadvantage, with pigeons compressed into the entrance with jams occurring as a consequence.

## Clocking many pigeon on one antenna

If it is necessary to clock many pigeons on one antenna pad at the same time, it is advisable to install the antenna as following.

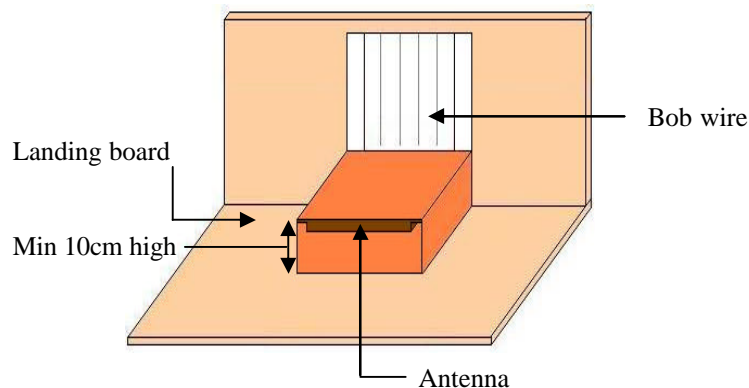


On the landing board, you build an area which is lower, under which the antenna is installed. The pigeons enter onto the antenna one by one and not all at the same time and as a result the registration of the birds is optimised.

Another method giving the similar results is to build a raised area.

This raised area is also needed if you have a landing board made from zinc, as metal causes interference to the antenna.

The raised area is a maximum 10cm higher than the base, and the board a max of 15mm thick.



You may find it more convenient to purchase a modified entrance.

If you choose this solution we recommend the Futura (designed by BRICON and produced by the companies Demster and Haspeslagh in Belgium).

***Attention : It is recommended that care is taken to ensure that the positioning of the Antenna complies fully with the rules of the relevant governing body.***

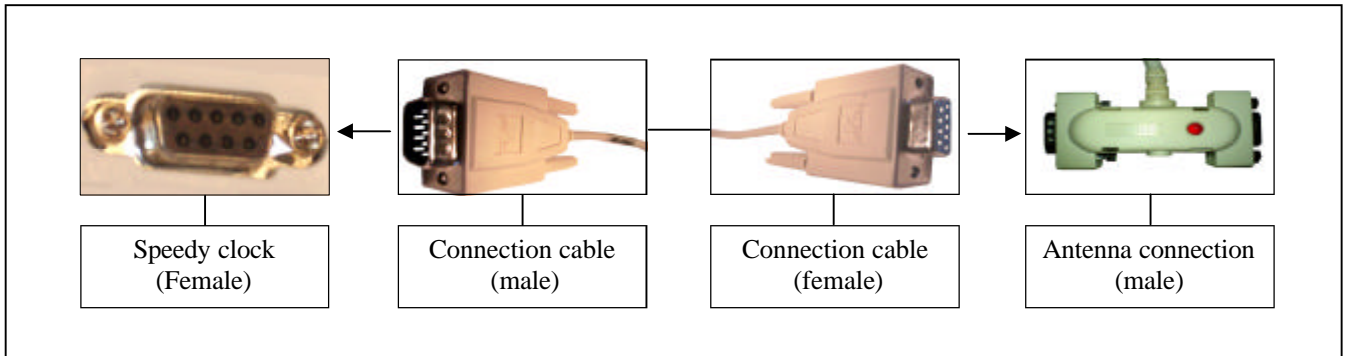
## 2.6. Connecting and testing the system.

After programming the antennas and installing the antennas in the loft, the power supply can then be connected to the system.

Connect the Speedy clock at the beginning or end of the installation.

All the lights on the antenna cables will then become red.

When this doesn't occur there is a problem with the power supply or the cable connections.

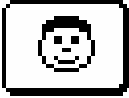
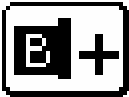


- *Place Speedy in the holder. The Speedy will be activated automatically from the moment that pigeons are listed in the database.*
- *If a race is basketed, Speedy will automatically go into 'clocking mode' (and can only be de-activated by disconnecting the Speedy).*
- *If no races are activated, Speedy starts in 'training mode'. Press <C> to cancel and return to the main menu.*

### 3. Speedy - a quick start.

First of all it is important to read all explanations regarding installation and use before starting. Once all hardware installations are finished, the Speedy will be activated from the moment that the clock contains fancier and pigeon-data.

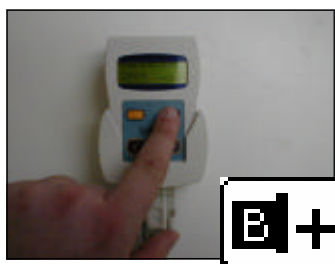
Entering pigeon and fancier-data :

Input/edit fancier (page 14).	
Linking birds (page 13).	

#### 3.1. Linking birds.

There are two ways to enter birds in Speedy:

- Through the club with the club-software 'BRICON CLUB EDITOR'.
- With Speedy and its antenna(s) explained in the box below.



- Move in the menu to 'Linking Birds' and press <OK>.
- Hold the electronic-ring over the antenna. Upon reading the chip-ring, Speedy will beep and a blank association ring-number will appear on the display. The first letter or number can be found with the orange keys <PREVIOUS> or <NEXT>. When the required letter/number appears under the ^ pointer, confirm by pressing <OK> and move on to the next letter/number.
- After entering the last number, the sex of the pigeon can be entered using the orange button <NEXT> selecting 'H' for a hen and a blank space for a cock. Confirm with <OK>.
- A second page then appears, where one has four characters in which to enter the colour of the pigeon.
- On completion of the details, Speedy will request that the linkage is confirmed by pressing <OK> or cancel the link with <C>.

Nine characters are available for the letter and ring number of the pigeon and it is recommended that the ring number is entered into the final character spaces. For example : For GB rings the following ring format should be used : GB(space)(space)-07-(space)(space)A(space)56789

#### 3.2. Browse pigeons.



- With this function you can browse through the database of pigeon linkings and delete any ring-numbers not required. <PREVIOUS> moves backwards through the list whilst <NEXT> moves forward.
- If you wish to delete a pigeon, press <OK> and Speedy will ask for confirmation of the deletion of the pigeon.
- Press <OK> to confirm and <C> to cancel the procedure.

### 3.3. Add/Edit Fancier.

There are two ways to enter a fancier(s) into the Speedy :

- Through the club with the club-software 'BRICON CLUB EDITOR'.
- or on Speedy as explained below.



- Move to 'Add/Edit fancier' and press <OK> to confirm.
- With the orange buttons <PREVIOUS> and <NEXT> you can scroll through the fancier list. Press <OK> to confirm if you want to modify or change the name of the fancier.
- An empty field of 20 characters appears. Using the buttons <PREVIOUS> and <NEXT> a letter can be found. Continue pressing until you find the correct letter and confirm with <OK>. The spacebar moves to the right and you can repeat the action. NB : The space can be found after the letter Z.
- On the second line you can add your official loft number.
- On completion of the details, Speedy will request confirmation by pressing <OK> or cancelling the action with <C>.

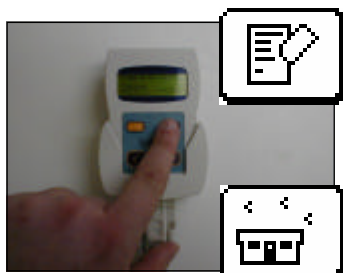
### 3.4. Clocking.



- Speedy detects for itself in which mode it should start-up. This will take a few seconds.
- When no loft antennas are connected, the main menu will appear at start-up.
- If races are activated, Speedy will automatically activate the antennas and go directly into 'clocking-mode'.
- If there are no active races, Speedy will set itself automatically into 'training-mode'.
- For security reasons it is impossible to leave 'clocking-mode'.



- Pressing <C> deactivates 'training-mode' and the main menu will appear. The orange buttons <PREVIOUS> and <NEXT> can be used to scroll through the menu. Position the required icon in the centre of the display and confirm with <OK>.
- To repeat a training flight, it is necessary to delete the previous clockings.



- **To delete** : Select 'Delete' and confirm with <OK> and all clockings will be erased.
- NB: The clockings of active races or unclosed races can not be deleted.
- **Clocking** : Select 'Clocking' and confirm with <OK> and Speedy will return to clocking mode for training flights.



- The orange navigation keys <PREVIOUS> and <NEXT> allow you to scroll through the clocking-list. When a pigeon arrives the display automatically shows the latest clocking.



- By pressing <OK> the details will alternate between a large sized display and a smaller but more detailed sized display

### 3.5. Basketing.

#### 3.51. Basketing with a Bricon Club Master.



- See the **BRICON CLUB-MASTER** user guide.

#### 3.52. Basketing with a Club Antenna (non Bricon).



- Speedy can use any normal club-unit. If there are already
- BRICON clocks active at the club, Speedy can join in immediate.



- A club-unit is: **a club-antenna and a mother timer.**
- A PC modem-cable is needed at linking.



- **Basketing** : as soon as Speedy is connected to a club-antenna the display will show 'Basketing'.
- Confirm with <OK> and commence basketing pigeons.
- A total of 8 races can be activated. They will be activated by a letter or figure of your choice. Select a letter for a race by pressing <PREVIOUS> and <NEXT>.



- *The display shows 'Choose Race:' + flight letter. With <OK> your choice is confirmed.*
- *Before confirming you can always re-enter a letter by pressing the <PREVIOUS> and/or <NEXT> buttons.*



- *Speedy is synchronised against the mother-clock and the first pigeon can then be race marked.*



- *Place the chip-ring of the pigeon to the club-antenna. You will hear a beep and the light on the antenna will blink.*
- *The ring-number of the pigeon will appear on the display for checking. After confirming that the ring number of the pigeon is correct, press <OK>.*
- *The pigeon can then be basketed. Repeat for each pigeon.*



- *When a pigeon-ring number has not been linked, Speedy will request that an 'Emergency link' is carried out.*
- *This action is explained on page 13 (Linking birds).*



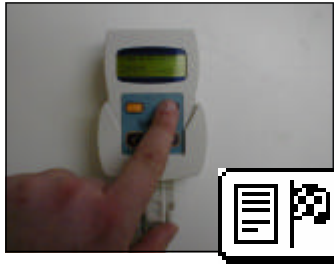
- *To end the basketing process : press <C> to stop, and two basketing-lists will be printed.*
- *You may disconnect Speedy from the club-unit.*



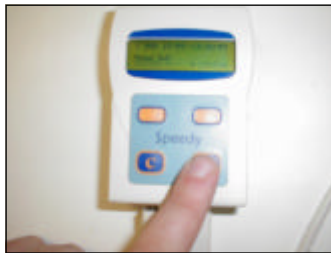
- *Speedy is now locked into clocking mode and is ready to time birds. All other functions on the Speedy are now unavailable.*
- *At home, simply plug in Speedy into its holder.*
- *The clock starts directly in clocking mode.*



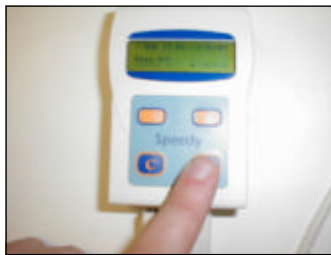
### 3.6. Read out.



- *When the race is over, you must return to your club with your Speedy and connect the clock to the club-antenna.*
- *Select 'Read out' in the main menu and press <OK>.*



- *Speedy displays 'Choose Race: 1' select the race by pushing <NEXT> or <PREVIOUS> and confirm with <OK>.*
- *Synchronisation is done automatically with a mother clock if linked to the club-antenna.*
- *Two copies of the clocking-list are printed.*



- *After printing the Speedy display shows : 'Close race' and <OK> should be pressed. This closes the race and releases the security-flag for the birds basketed in this race.*
- *If this is not confirmed, all data will stay secured, meaning that all these pigeons can not be re-entered for a future race or training flight.*



- *After the race is closed, the race must also be deleted from Speedy and the following routine should be used:*
- *Insert the power supply directly into the base of the Speedy, with no antenna pads connected.*
- *Using the <NEXT> button proceed to the 'Delete' icon.*
- *Press <OK> and the race will be deleted.*
- *To return to clocking mode for training flights, proceed to the 'Clocking' icon using the <PREVIOUS> button and press <OK> to confirm.*

## 4.0. Other functions.

### 4.1. PC-Connection.



- **PC - Connection:** Speedy can be connected to a PC through a special converter with modem-cable. Via a split-cable (Y) the club-antenna is also connected. Attention, you may only connect Speedy if the PC gives you the command to connect the clock.

### 4.2. Printing.



- **Printing:** Through the menu on your Speedy, there are two printouts options - a complete overview-list or a clocking-list. To print, Speedy should be connected with a printer-interface. You can then use any DOS compatible printer.

### 4.3. Races.



- The 'Races' icon can be used to view the active races.
- Navigate to the 'Races' icon and press <OK> to view each of the active races within the clock. The second line of each active race shows the club ID / race point and the date / time opened. for example : 0567EXET 2107 193015
- Each of the active races is given a status number.
  - Status 1. The race has been basketed.
  - Status 3. The race has been read out but not closed.
  - Status 7. The race has been read out and closed
- Press <OK> to scroll through any other races on the Speedy.
- Attention : Only active races showing status 7 can be deleted. If an active race is showing as status 3 when it was intended that it should have been showing as status 7, simply repeat the read out procedure and carry out the instructions correctly.
- Attention : If an active race can not be accessed through the Club-Master, check that the current club ID of the club-master is the same as that of the club ID of the active race in Speedy.

#### 4.4. Set Time / Date



- **Set Time / Date:** In this icon you can set the time and date of the Speedy clock.
- At race basketing however the Speedy clock will automatically synchronise with the mother clock..
- This function is de-activated if a race is active.

#### 5. Unives 1.7

The Speedy clock is fully compliant with the Unives 1.7 protocol.

Operating in Unives 1.7, the Speedy clock can be used with any other brand of master system that also fully supports the Unives 1.7 protocol.

The Unives compatibility protocol declares that the Yamaichi connection socket is the universally accepted connection between the ETS brands. To fully comply with the Unives protocol , Bricon will make available from its dealers, a BRICON-YAMIACHI connection cable consisting of a Bricon 9 pin male connection plug at one end and a Yamaichi 4 pin male connection plug at the other end. This connection cable should be placed directly into the Speedy clock with the Yamaichi plug then available for connecting to the unives socket of the variant brand of club master.

#### 6. Maintenance and Service.

Always keep Speedy clean and do not allow the clock to be immersed in water or other liquids. Remove dirt from Speedy with a lightly dampened cloth and do not use solvents. Should the Speedy clock need any repair, this must be carried out by Bricon.

#### 7. Technical data.

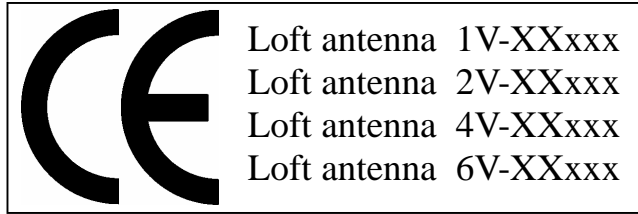
<i>Pigeons: 200</i>
<i>Races: 8</i>
<i>Fanciers: 3</i>
<i>Antennas: 4</i>
<i>Max number of fields: 4 x 6</i>
<i>Max. cable-length: 150 m</i>

# Declaration of conformity

Directive 1999/5/EC (R&TTE)

## **BRICON nv**

Europark Oost 15 C,  
9100 Sint-Niklaas  
Belgium



We declare on our own responsibility, that the product mentioned below to which this declaration relates, conforms with the essential requirements and with other relevant provisions of the R&TTE directive (1999/5/EC).

Article :               Loft Antenna  
BRICON 1V(14cm), 2V(28cm), 4V(50cm), 6V(70cm).

Type :                 Reader for transponders (125kHz).

In agreement with Â§3 of R&TTE- the directive.

Health and Safety Â§3 (1) a:

Applied standard:

EN 60950:1992+A1+A2:1993+A3:1997+A11:1997

EMC §3(1)b:

Applied standard:

EN 301 489-3/07.200

Radio frequency spectrum Â§3 (2)

Applied standard:

EN 300 330-2 V1.1/7.2000

Technical file is available at the offices of the manufacturer.

BRICON nv, Europark Oost 15C, Sint-Niklaas, Belgium.

Place and date of expenditure: Sint-Niklaas, 13-12-2005.

Responsible for the manufacturer:

Ivan Baetens  
Delegated director.

Francis Nolmans  
Delegated director.