

Referee Paging System[®] RPS2016

User manual

The **REFEREE PAGING SYSTEM RPS2016** supports the linesman to get attention of the referee by sending a signal via radio.

The flag (Transmitter)



The transmitter is integrated in the handle of the linesman's flag and sends a coded signal to the referee's receiver. By pressing one of the two buttons, vibration can be felt. The bar is screwed into the handle and can be replaced easily. Also the battery cover (bayonet) can be removed and/or fastened by easy turn.

Check and operation:

- The following parts should be checked before each game:
 - bar fixed properly in the handle
 - battery cover and rubber coat fixed
- To send a signal to the referee push one of the two buttons. They are placed opposite and make it simple to be pressed. By pressing one of the two buttons, vibration can be felt.

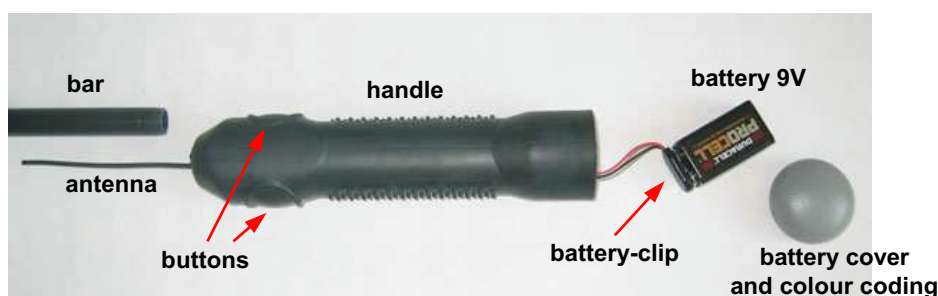


Changing the battery:

- remove battery cover by turning it
- pull out the battery carefully, until the battery-clip appears
- remove old battery and replace it
- fasten battery cover with light pressure and turn clockwise into the handle
(Use of oil on the edge of the rubber makes it easier to fasten!)
- examine the firm seat of the rubber coat

Replacing the bar:

- Remove: turn the bar counter clockwise away from the handle
 - Assemble: turn the bar with light pressure clockwise into the handle
- Attention:** Use a drop of oil and care for correct guidance of the antenna!



The Pager (Receiver)



The Receiver, mounted in a small black box (Pager), is carried by the referee, strapped at the upper part of the arm.

The signal transmitted by the linesman generates either a low (linesman 1) or a high (linesman 2) acoustic signal and a pulsing vibration at the referee's receiver.

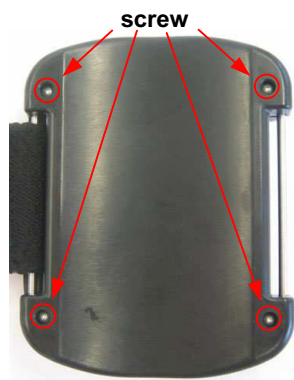
Replace the batteries and/or the arm strap by removing the bottom plate.

Start-up:

- Press the ON / OFF button
- The LED indicates the status of the pager.
 - LED OFF: Pager OFF
 - LED flashing: Pager ready for use
 - LED ON: Pager receives signal from a linesman
- To turn OFF the pager press the ON / OFF button until a deep tone is recognisable.



Changing the battery:



The pager runs with a 9V battery. Untighten the four screws at the bottom plate with the included screwdriver and lift the plate.

The polarity is given by the battery-clip.

Attention:
In case of mismatching the polarity the pager might be damaged!

Beep settings:

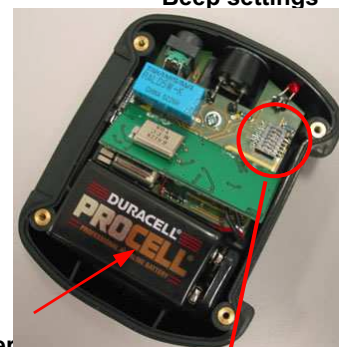
The signal can be set to ON or OFF with switch 6

- switch 6 OFF → Beep deactivated
- * switch 6 ON → Beep activated

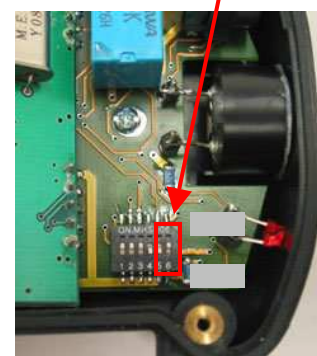
Do not change the settings of switch 1 to 5. There are used for system configuration. The function can not be guaranteed by changing these settings.

(*) Default settings !

Beep settings



battery



Tighten the pager



Attach the pager at the most comfortable place by using the strap which is integrated at the bottom plate.

Coding

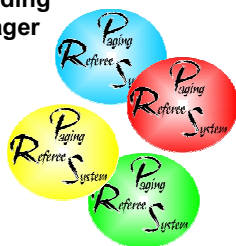
To prevent interruption or disturbance due to other transmission sources a complex coding and decoding system is used on the signal transmitted from linesman to the referee. When both linesmen send a message at the exactly same time, or in case a strong transmitting source interferes with the system, no decoding takes place and no signal is generated at the referee's pager.

When two games take place within 200 meters you should use systems with different coding configuration to prevent interferences. The coding configuration is set by the manufacturer.

The colour logo on the pager and the battery cover of the transmitters (brown, red, orange, yellow, green, blue, grey and white) is meant as its identification.



colour coding of the pager



colour coding of the transmitters

System maturity and practical experience

The REFEREE PAGING SYSTEM is developed in co-operation with international referees. The system has been tested by the Swiss referees since the beginning of 1994 during the Swiss national competition, the international Euro-Cup events, the UEFA European Championship in England and the Olympic Football Tournaments ATLANTA '96. The results were very satisfying.

References:

- Olympic Games Atlanta and Seoul
- Football world championships Japan and Korea
- Euro 1996 England
- Euro 2000 Holland and Belgium
- Equipment of UEFA referees 2000
- Equipment of FIFA
- Equipment of FIGC AIA
- Equipment of Korean League

Warranty

One year warranty is provided on all material and production failure caused during normal use of the system. Warranty is excluded for batteries, for misuse or improper handling or maintenance of the system components. Other maintenance than exchanging of batteries and cleaning components with a dry cloth is not allowed.

The system manufacturer or his representative can not be made liable for damage caused by the use of this system.