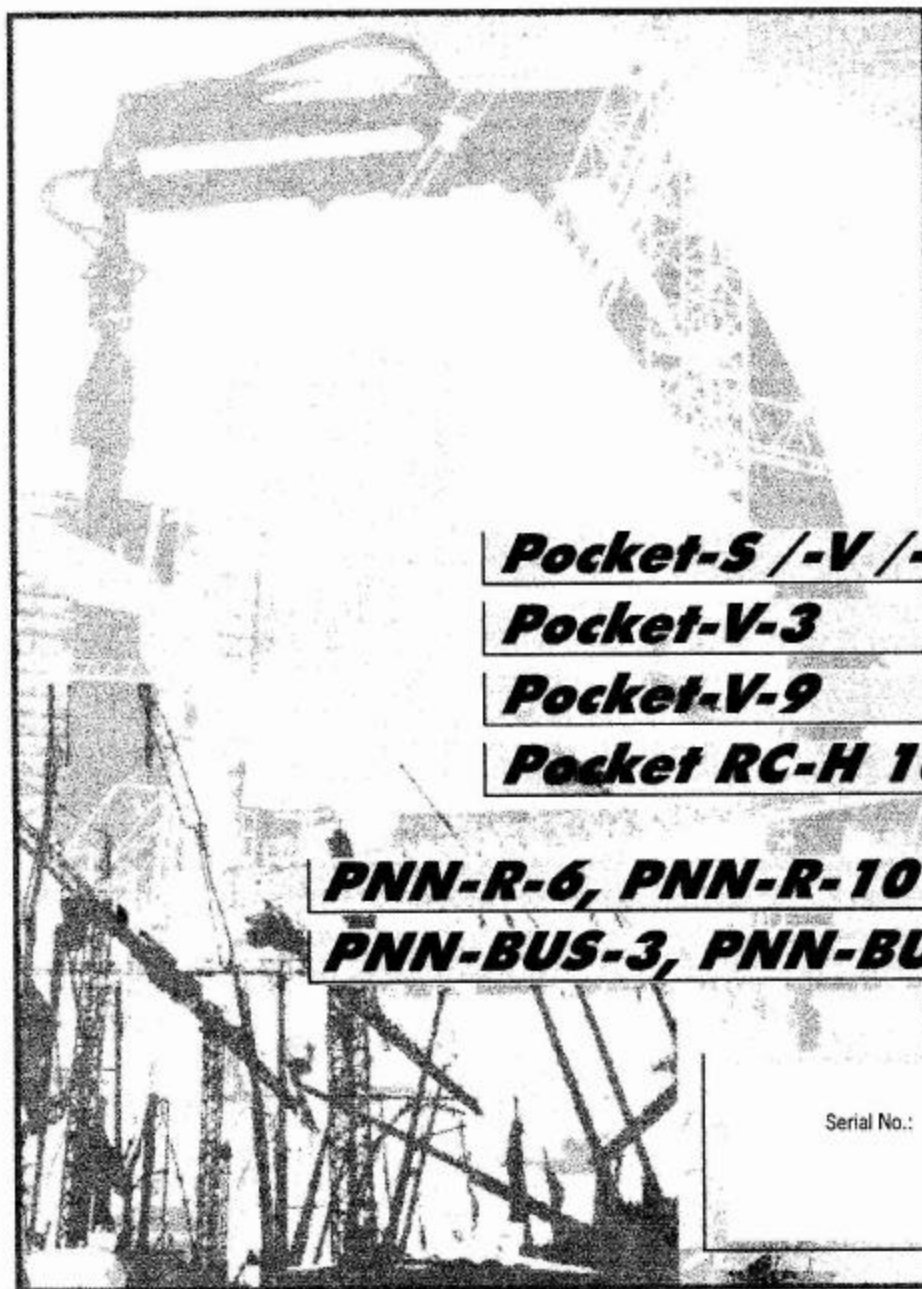




OPERATING INSTRUCTIONS



Pocket-S /-V /-F

Pocket-V-3

Pocket-V-9

Pocket RC-H 10

PNN-R-6, PNN-R-10

PNN-BUS-3, PNN-BUS-5

Serial No.:

1. STANDARD SPECIFICATION

- Portable transmitter with two replaceable 7,2 volt NiCd batteries, rubber cover, hand strap and belt clip.
- Receiver with NBB adapter plate for fastening purposes (PNN-BUS-3).
- Receiver with 4 fixing angles (PNN-BUS-5), or 1 mounting bracket (PNN-R-6 and PNN-R-10).
- Multi-pole connecting cable for the receiver, to your specifications.
- Automatic battery charger with charging adapter (rapid charging in three hours).

The actual delivery specification is as detailed on the confirmation of order or the delivery note accompanying the goods!

2. SAFETY PRECAUTIONS

Even if you are accustomed to working with radio control systems, read these operating instructions without fail before using this equipment. Only this document contains the latest information relating to your NBB radio control system.

For explanatory notes on obtaining an operating permit please refer to registration documents enclosed in the appendix of this operating instruction. Observe all applicable work-safety and accident prevention regulations without fail. Only fully trained, authorized personnel may use the NBB radio control equipment. Components, etc., built into the NBB equipment for safety purposes must be regularly inspected.

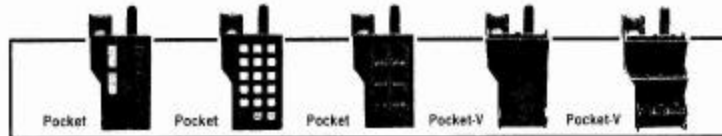
If the NBB radio control unit develops a fault, it must be shut down immediately. The transmitter should be switched off with the EMERGENCY STOP switch. The connecting cable must be disconnected at the receiver from the connecting socket (terminal) of the unit to be controlled. The repair of the equipment must not be carried out other than by NBB or an NBB authorized technician.

Failure to observe these recommendations will put both you yourself and others at risk. Under these circumstances, NBB rescinds the guarantee and any other form of liability. This radio control unit is designed exclusively for the control of construction machines and industrial plants. Only under these conditions are the safety systems (EMERGENCY STOP, zero setting) fully effective. No other form of use is permitted.

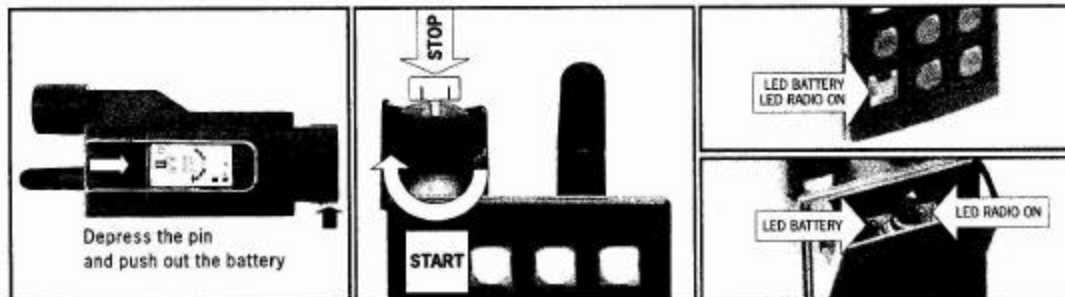
Any non-observance of this condition will relieve NBB of all liability.

3. TRANSMITTER

Pocket-S, -V, -F,
Pocket-V-3, -V-9



To make the unit ready for use, insert the battery into the battery compartment. To remove the battery, depress the pin and push out the battery. The power supply to the transmitter is activated with the EMERGENCY STOP switch (when depressed, the EMERGENCY STOP switch can also be secured by removing the key cap). The green LED on the transmitter control panel must flash regularly. Commands can now be input by means of the controls. The operating period with a charged battery is approximately 8 hours with the transmitter in continuous use.



When the red "Battery" indicator lamp lights up, the battery is nearing exhaustion. The transmitter can be operated for approximately 15 minutes more in this condition. During this time, bring the unit to be controlled to a safe position and install a new battery. Removal of the battery interrupts the radio link. As a result, the master switch for the unit to be controlled must be switched on again. Charge the discharged battery with the charger supplied.

4. TRANSMITTER Pocket RC-H 10

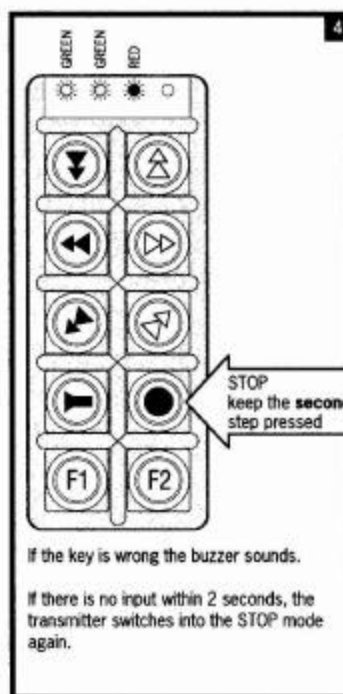
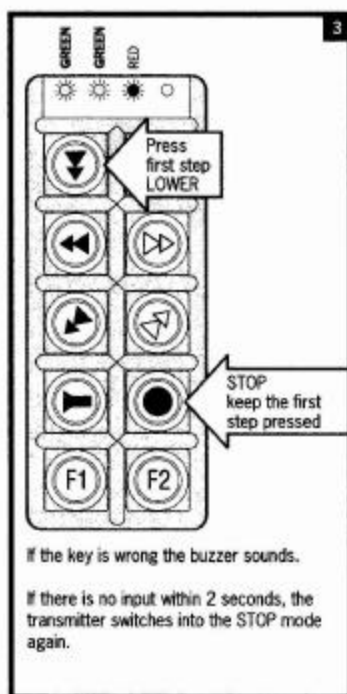
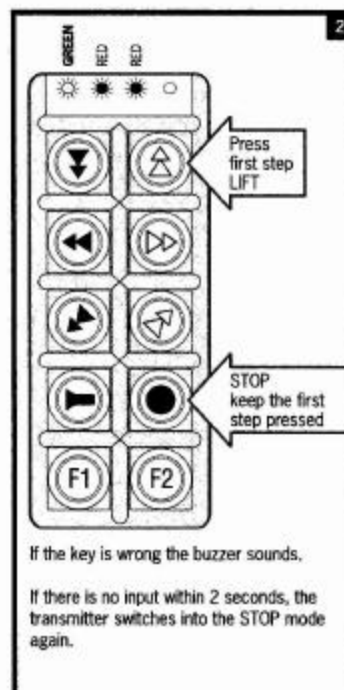
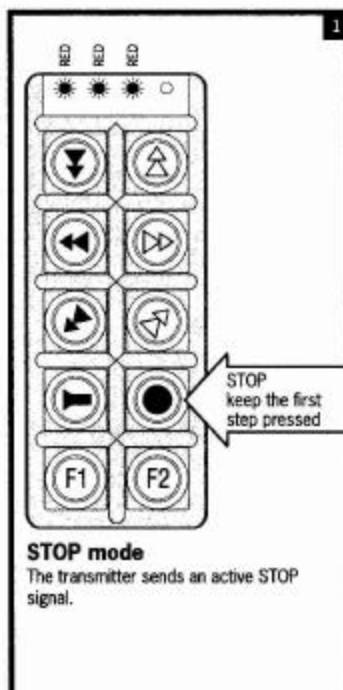


To make the unit ready for use,
plug the battery to the transmitter.



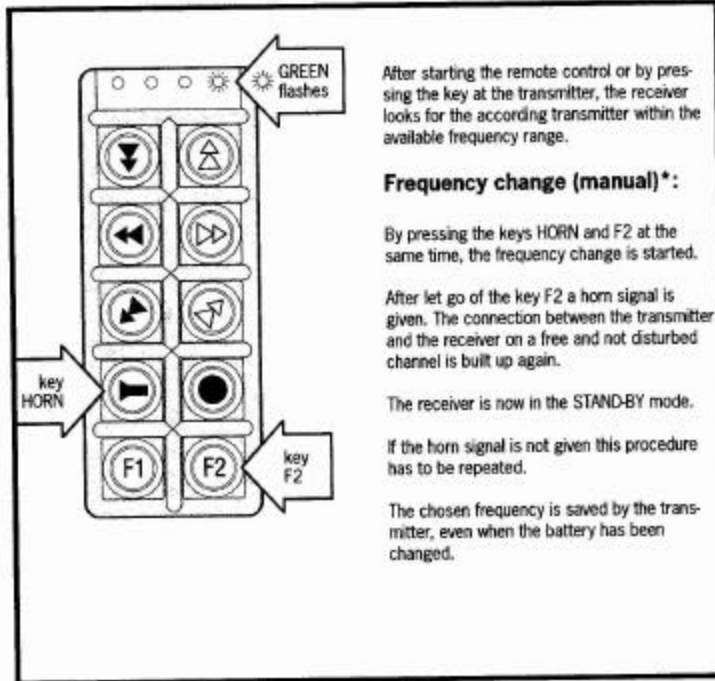
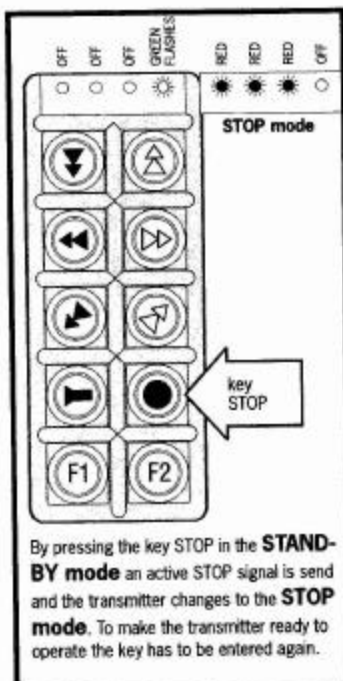
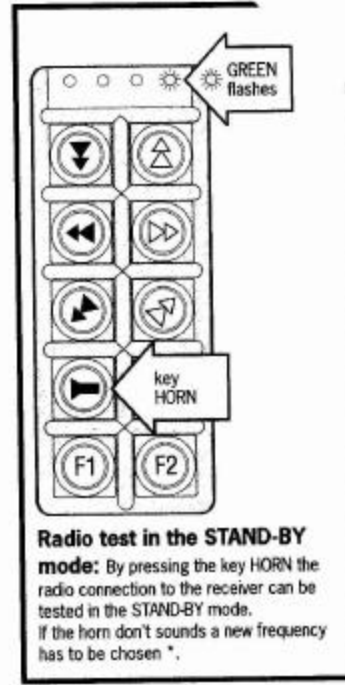
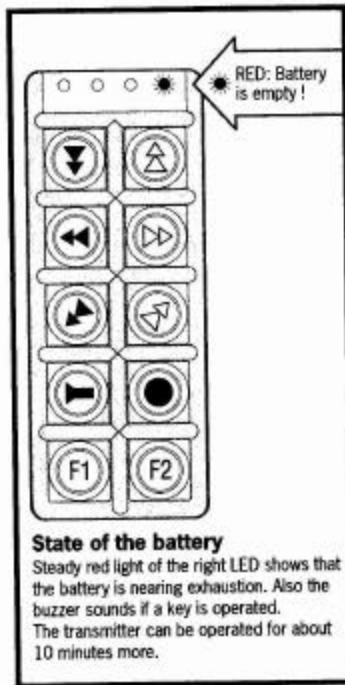
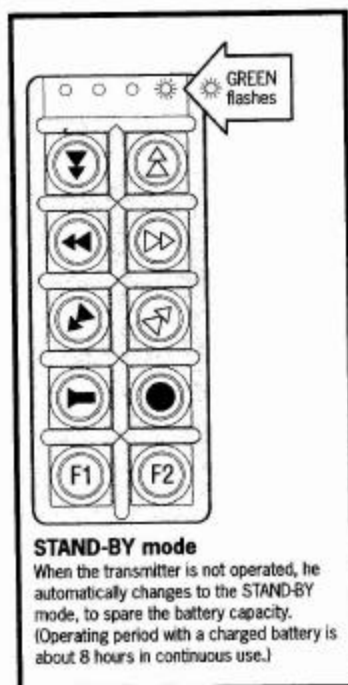
Electronic key

To secure against unauthorized use, the transmitter has to be made ready to operate
by entering an electronic key.

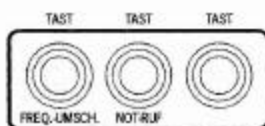
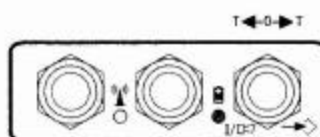
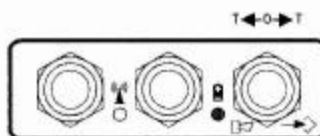
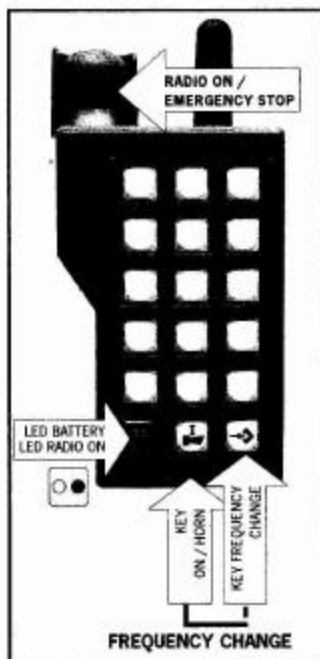


4. TRANSMITTER

Pocket RC-H 10



7. OPERATING THE UNIT



Safety equipment in the NBB-radio remote control:

In the transmitter, this comprises mainly:

- EMERGENCY STOP with automatic disconnection of the feed voltage.
- Automatic zero setting.

In the receiver:

- Two diversitary units for evaluation of the EMERGENCY STOP signal.
- Automatic zero setting when switching back on after radio interruption.
- Locking of the radio commands at relay level in the event of a defective EMERGENCY STOP circuit.

To ensure fault-free operation, please follow precisely the following rules for operation: The unit to be controlled can only be switched on - it is assumed that the transmitter is ready to operate - when no command unit is actuated. The command necessary to do so is triggered by the key "ON/HORN". This triggers a horn signal in the unit to be controlled. After switch-on of the facility to be controlled, this key is used for repeated emission of the horn signal in accordance with working regulations.

If the NBB radio remote control is not used for a long period, it is urgently recommended that the batteries be charged now and again (about every 4 weeks). This prevents deep discharges of the batteries and prolongs their useful life. If you shut down the NBB radio remote control for a long period, we recommend you take the battery out of the transmitter.

Frequency change Pocket-S, -V, -F:

To change the frequency, keep the "ON/HORN" key pressed down. Then operate the "FREQUENCY CHANGE" key. If the receiver locks into the new frequency, a horn signal is given (if present) and the unit to be controlled is ready for operation.*

Frequency change Pocket-V-3 - Version 1:

By unlocking the button switch the power supply of the transmitter is released. To change the frequency, press the switch "HORN/FREQUENCY CHANGE" briefly in the direction of the symbol "FREQUENCY CHANGE".

After about 8 seconds the frequency change can be checked by pressing the switch "HORN/FREQUENCY CHANGE" in the direction of the symbol "HORN":

If the receiver locks into the new frequency, a horn signal is given (if present) and the unit to be controlled is ready for operation.*

Frequency change Pocket-V-3 - Version 2:

By unlocking the button switch the power supply of the transmitter is released. The unit to be controlled is switched on by the switch "ON/HORN". With this a horn signal (if present) is released at the unit to be controlled and the unit is ready for operation.

To change the frequency, press the switch "ON/HORN/FREQUENCY CHANGE" briefly in the direction of the symbol "FREQUENCY CHANGE".

After about 8 seconds the receiver has to be made ready to operate by pressing the switch "ON/HORN/FREQUENCY CHANGE" in the direction of the symbol "ON/HORN" and checked if the frequency has been changed:

If the receiver locks into the new frequency, a horn signal is given (if present) and the unit to be controlled is ready for operation.*

Frequency change Pocket-V-9:

To change the frequency, press the switch "FREQUENCY CHANGE".

After about 8 seconds the frequency change can be checked by pressing the switch "HORN/EMERGENCY CALL":

If the receiver locks into the new frequency, a horn signal is given (if present) and the unit to be controlled is ready for operation.*

Frequency change Pocket RC-H 10: see page 3

* Please observe the particular postal approval regulations of the concerning country.