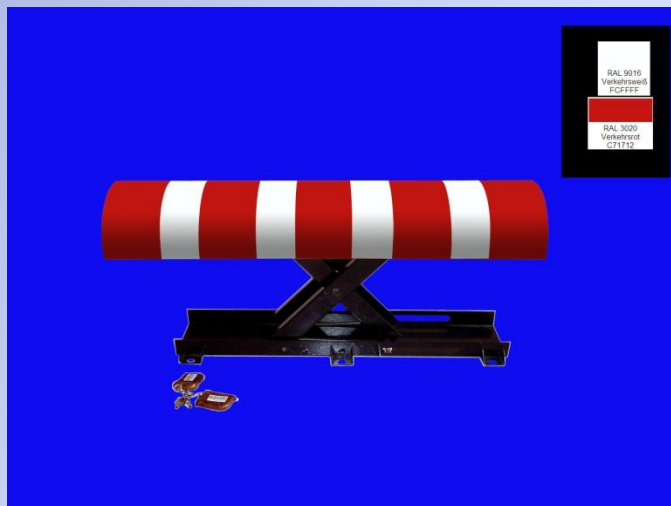


Remote Control Automatic Parking Barrier

12volt re-chargeable battery model AS-BW-3 Installation and Operation Manual

Thanks for choosing AS-BW parking locks!



Important safety tips:

- ❖ Read this manual carefully and completely.
Get confident with the use of this device.
- ❖ Do not use the parking lock in case people especially children are in the danger zone.
- ❖ Keep hands and feet near moving parts or under them.
The parking lock may move finally faster as you expect.
- ❖ Remove battery before starting cleaning, inspection or tuning activities at the parking lock or if it might be jammed..
- ❖ Keep all items and devices out of the shear mechanics.
- ❖ Do not use without sufficient and correct installation in place.

GENERAL SAFETY RULES

Read this manual thoroughly and completely!

Remember the warning advices before, while an and after use of the parking lock.

Keep the parking lock in good maintenance.

Get familiar with the parking lock before you use it first time.

You must before use first time know how you can stop the moving in emergency case.

Keep all documents and this manual thoroughly in safe place that you have it at hand anytime you may need it.

AS-BW-3 automatic parking lock can be used in all parking areas. It keeps your space free as long as the car is away. It is visible that no car can take your place and when you approach your space will be accessible.

AS-BW-3 parking lock prevents blocking effectively.

AS-BW-3 parking lock has a powerful 12 Volt battery which may be completely recharged over night (8 hours). There is no need of wiring, no cable installation as all is sealed in the controller box.

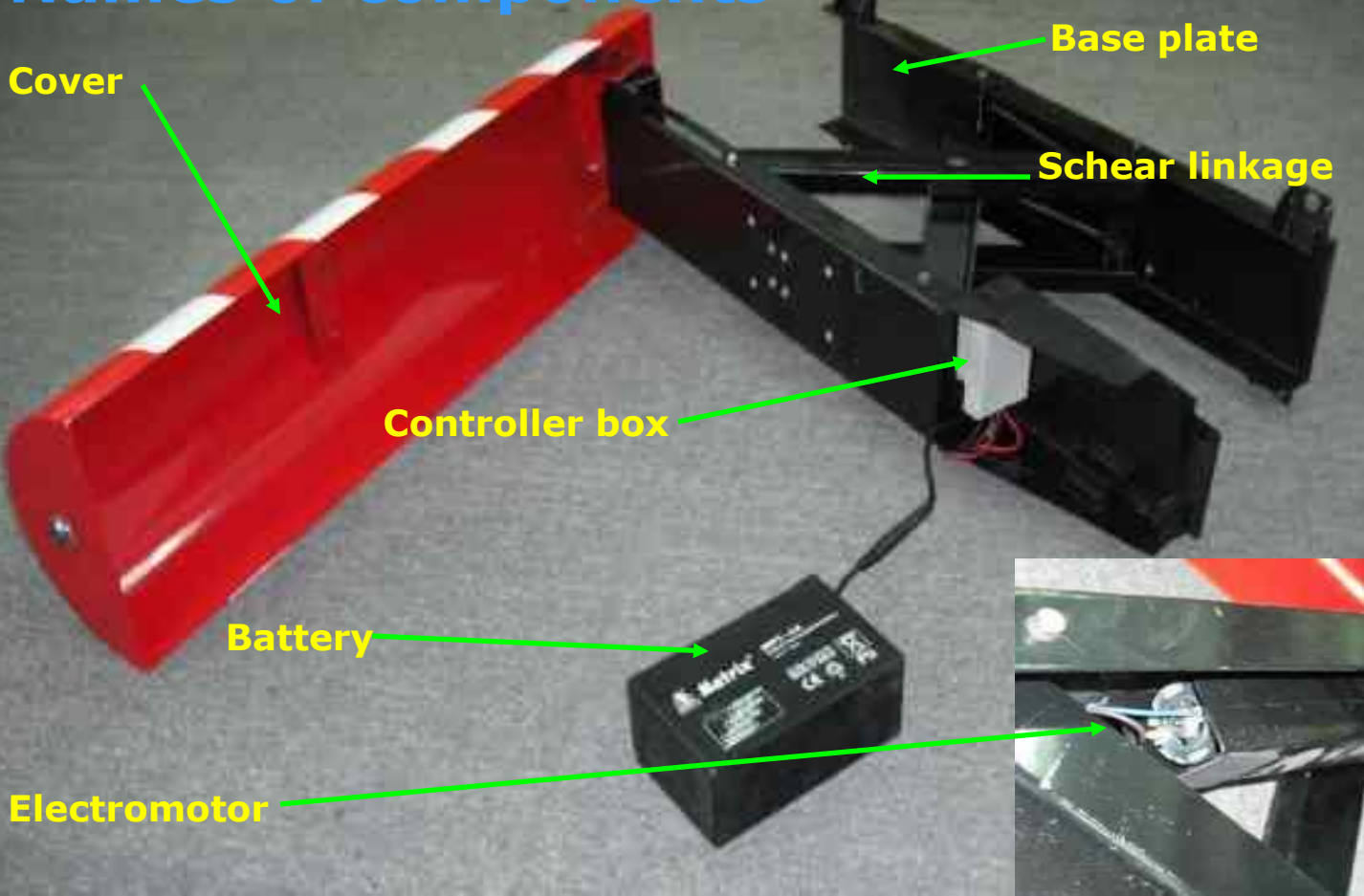
Technical data

- Voltage of motor:	12Volt DC
- Battery:	12Volt 7.0Ah (sealed lead-acid)
- Power Consumption (use):	20W
- Power Consumption (standby):	30mW
- Distance of remote control :	≥30m
- Time to flat from standing :	5-6 sec
- Time to stand up from flat :	5-6 sec
- Dimensions (up right):	720mm L x 200mm W x 300mm H
- Dimensions (flat):	720mm L x 200mm W x 100mm H
- Net weight:	14.5kg

Packing list

- 1 x **AS-BW-3** unit
- 1 x charger 220±10% Volt
- 2 x remote controls
- 4 x Tamperproof bolts 50mm
- 2 x keys for control box
- 1 x Installation and user manual
- 1 x Battery

Names of components



Installation of the parking lock (1)

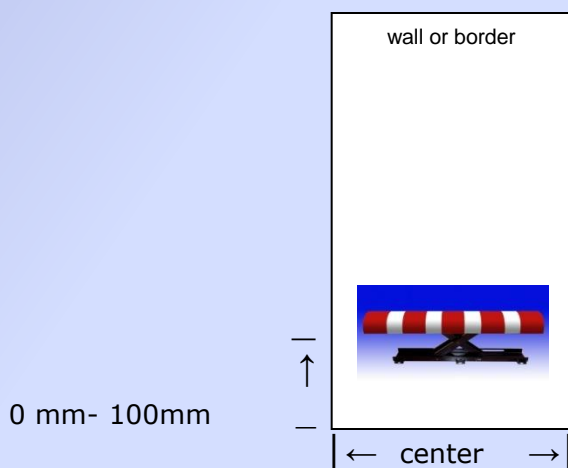
The parking lock will not delivered completely assembled. This is because of transport safety. In the box you find the battery to power the parking lock, the charger to recharge the battery and the four bolts to install the parking lock in place.

What will you need?

- tape measure
- pencil or marker
- Impact drill or similar + masonry drill bit 10mm
- Tube of liquid nails or silicon adhesive
- Large screw driver

The assembly and installation is easy if you follow these rules:

1. Assembly and connection of battery must be the final step.
2. Clean all surfaces where the **Parking Lock** is to be installed with dishwashing liquid (or similar) in warm water then allow time to dry. Make sure dust, oil and grease are removed from the surface area..
3. To fix the **Parking Lock** to the surface, place the unit on the ground with the sign facing the entry point. Centre it from left to right and approx. 0 mm – 100mm from the front entry point of your parking space (see diagram). Draw the outline dimension of the lock to the place on the concrete of the parking space. Mark the four fixing points. Put the parking lock away.



Installation of the parking lock (2)

4. Drill four 10 mm holes with the masonry drill in the exact marked position. Those should be minimum 65 mm deep.
5. Remove dust and dirt from the holes and the place of the parking lock.
6. Insert the small batteries into the remote control.
7. Insert battery into the parking lock and lift up with remote control one time. Remove battery again.
If you add at the bottom side of the base plate silicone or liquid nails (a "S" shape is fine) you gain later extra fixing strength.
8. Now position the parking lock that the to the 4 holes of the base plate is fitting with drilled holes and insert the expansion bolts.
The unit must be fixed with a large screwdriver (max moment 250 Nm).
It is important to check this as any movement may later loosen the parking lock.
9. Insert into the high parking lock the battery again and connect it.

To check correct functionality let the parking lock going up and down several times. Care the given safety instruction given before.

To lock your parking space press one time the up symbol key. The lock goes up.

To drive into your space press the down button one time on your remote control. Wait in front of your parking space. Please always remember to be in visible connection to your parking space to prevent hazards to other persons.

- a) When pressing on the top button of the remote control (arrow up) the parking lock is going up. If you press on the lower button (arrow down) the lock goes down until lying flat.
- b) In case of low battery power the parking lock sends an audible peep sound. If battery is empty the parking lock is blocked. Open the cover with the key disconnect the battery connection.
The removed battery will be connected with the supplied charger.
The charger must be plugged into 220/240 Volt. After about 12 hours the battery is completely charged and ready for use.
- c) With the full battery at least 300 operations are possible. This is about 2 times up and down for three months.
- d) In case of emergency that the lock is standing in up position and not moving it can be turned down with the supplied hexagon key (may be useful to keep in car).

Maintenance / error correction

- a) If the **parking lock** is not working:
 1. Check battery power– *remove and charge ~8 hours.*
 2. Check control LED on the remote control. If it is weak
 - *open the screw on backside and exchange battery.*
 3. Check the controller unit loose connection.
 - *reconnect again with connectors*
 4. When entering car always double check that the parking lock is flat.
This prevents damage on car and parking lock
 - *Press the remote control that the lock goes down.*
- (b) The parking lock seems instable and is moving when used.
 - *Check the fixing bolts, fix them or exchange them.*

General Safety Advices

- Use the remote control only when you have complete view of the parking lock.
- Do not press buttons when car is over the lock
- Always check that the lock is not up under the car before leaving the parking space.
That may happen when the remote control is activated in the pocket occasionally.
- The **Parking lock** stops moving when you apply pressure on it.
This doesn't matter of moving up or downward.
You can reactivate with remote control as soon as pressure is away.
The direction you want to move than is free.
- Avoid driving over with the wheels.
- Don't allow children to play with the remote control.

Safety precautions (1)

Always remove the battery of the parking lock before cleaning, inspection or maintenance actions or if something is jammed or the parking lock was damaged.

To protect hands and feet use gloves and working shoes. Do not do any maintenance or repair on the parking lock when not wearing safety gear.

Always check that the parking lock that near the moving parts are no branches, cables, stones or other items. The touching in the shear linkage can damage your parking lock and by flipping off cause hazards on persons and items.

Do not knee or cower in the moving area of the parking lock. The lower edges of the cover may cause injuries

Do not use the parking lock when the place is flooded. Short circuits may cause malfunction of the parking lock.

Before use of the parking lock remove the battery and check the shear linkage and other moving parts for damages. Damaged or worn out items are a big hazard.

Care that the parking lock is securely fixed. Check all screws on regular base.

Do not use the parking lock if a part is defect. Before use always exchange defect items with new ones. Check that the parking lock is in a safe condition for operation.

Use only original spare parts. Items not given by the manufacturer may fit not well and so cause injuries in operation.

Care that no persons or animals are in the moving area of the parking lock when operating. Especially care children. A distance to persons and animals of 5 m from the place of the parking lock complies.

Start the moving of the parking lock only when you can monitor the area around it completely. Stop the parking lock when danger occurs. During time of moving the safety distance of 5 meters should be maintained . Stop the parking lock immediately when danger may arise. When the parking lock is moving always maintain safety distance.

Do not leave the parking lock unattended while it is moving.

Never allow children or persons who don't know this manual operate the parking lock. Regional rules may define a minimum age for the operation of the parking lock.

Notice that the user is liable for damages or accidents against other persons or their assets.

Safety precautions (2)

The parking lock is equipped with a safety coupling which limits the maximum force of shear movement. At no case grasp during operation into moving parts or try manually to stop it. Always let the parking lock finish its movement.

In case the parking lock meets a hindrance immediately give the reverse signal with the remote control. Remove battery and than with all care remove the troubling item.

Always remove the battery before removing, lifting or carrying the parking lock.

Secure the parking lock mechanically when you must incline the parking lock for transport.

Do not incline the parking lock when operating.

At no case try to stop the downward moving by holding with hand..

Operate the parking lock only when the light condition is sufficient. In insufficient light use a light source for example the headlights of your car.

Operate the parking lock only when the cover is securely fixed and closed. Never remove items under the cover when the parking lock is moving.

In case the device is making strange noise or is moving strange remove battery and check the reason. Such noise or moving are an indicator for problems.

Downward edges of the cover may be edgy and can cause skin injuries. Always be careful when you make repair work close to the cover.

To avoid injuries we recommend working gloves or to protect the edges with a paper or similar item when you must work on the cover or the shear linkage.

Never use solvents or aggressive detergents to clean the parking lock. Use a brush and clear water or mild cleanser to remove dirt.

Take care that the warning color always remains visible. Remove the battery before cleaning.

Do not clean inside!

Store the parking lock in a try place if you do not want to use it. Take care that children cannot reach it in this case.

Secure the remote control and remove battery from it.

Electrical safety

The parking lock uses a battery for operation which has 12 Volt and a power of 7 Ah.

Never connect the parking lock with another power source. The motor and the battery are isolated from the mechanical components.

Take care that no cable gets into the mechanical moving parts or the drive of the parking lock.

Charge the battery only with the supplied original charger. Plug the connector of the charger in a stable socket. The battery and charger can have rest current. Avoid electrical shorting between the poles.

Never drag or carry the parking lock with electrical cables. Do not use the charger cable to remove the charger from the socket.

Keep the cable away from heating source, oils and sharp edges. Check the cable before use and do not use if damaged.

Take care that only you have access to the remote control of your parking lock.

Especially take care that it doesn't get into hands of children.

Special warning

Never use a damaged cable for connecting the charger. Use new cables. Do not make repairs on connection cables.

Change of battery

The battery is if competently done sufficient for a time of three months. After that time or if the parking lock moves slower than usual you should charge the battery. The charging cycle is minimum 8 hours. To remove the battery it is comfortable to have the parking lock in locked position. Open the cover with the key and remove the cable connection. Now you may take out the battery. Close and lock the cover again. Connect the battery with the cable of the charger (is only way and given by charger). After 8 hours or longer you can insert the battery again.

Maintenance and storage

Take care that all elements (screws, nuts) are tightly fixed all time that the parking lock can operate safely.

Check the parking lock for damages.

Replace damaged or worn out parts or contact a service person.

Regular maintenance of the parking lock not only guarantees a long life time but also shows a good impression of your parking space.

Clean with brush and clear water or with mild cleanser. Do not use chemicals.

Maintenance and cleaning must be done with removed battery.

Special wear out happens with the shear links and the screw drive.

Check regularly and care for enough grease and fixing of those parts. In case the links are worn out they must be replaced. In case of strange noise or strong vibration check the complete parking lock.

REMOTE CONTROL PARKING LOCK SERIES

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What can we do when the parking lock up and down automatically or stays at the lowest or highest position responds nothing to the remote control?

1. After opening the yellow-cover you find the two location-limit switches as following two pictures show.

1-1 is for the highest position

1-2 (at the middle of the main body) is for the lowest position.



The wire on the location-limit switch is connected with the control panel. When the lock goes down to the lowest position, the small metal rail would touch the switch (the metal sheet in 1-1), then the circuit gets cut off and parking lock stays at the lowest position.

Activating the remote control sends a signal to the control panel which activates the circuit. The parking lock goes up, when it gets to the highest position, the metal rail touches the switch (the metal sheet in 1-2). The circuit switches off and the parking lock stays at the highest position.

The problem might happen with the switch is:

1. The small metal rail can't get close enough to the metal sheet, (showed in 1-3). In this case, the switch can't switch off the circuit effectively then parking lock will not stay at the end position. Instead it will return from the end position automatically.

The solution is adjusting the metal sheet. Adjust it to the right position to enable the switch to switch off the circuit.

Just bend the sheet a little to get closer to the metal rail, as 1-4 shows.

With a small pinchers this can easily be done.



2. As we can see from the pictures the switch is fixed to the main body by two small screws. Here it may happen if the switch fixed too tight to the main body by the screws that the metal sheet would loose its flexibility. In this case when the parking lock gets to its end position and the circuit switched off.

Then the metal sheet will not recover, so remote control can't work at this time, because it can't activate the circuit again, as the switch stays in the switched-off stage. You must loose the screws a little.

In worst situation replacing the location-limit switch is very simple.

Just cut the wire off in the red ink place and replace the broken switch with a new one.

Connect the wires. There is no need to reconnect the wire of the new switch to the control panel. (1-5)

But also a skilled technical person can fully replace a new switch with all wires.



How can I install a parking lock?

You will need to clean the surface of your concrete area, drill four 10cm holes correspond to the hole of parking lock, Install the expanding bolts in the holes, put parking lock on, then it's completed.

- Do not install your parking lock in a low or depressed area where water will sit.
- Do not install your parking lock backwards.
- Do not install your parking lock onto dirt, gravel or loose stoned parking areas.

When positioning your parking lock into your car parking space, we recommend placing the unit at the middle of the parking space and centrally between the two side lines.

How to program the code of the remote control?



Before the remote control works on the parking lock, it needs to be programmed with code of the control panel.

First the power supply, location-limit switch and motor should be well connected and work well.

Then clean the control panel back to its virgin state.

As showed in 1-6 and 1-7, press the button for 2 seconds or more. When a frequent buzz comes after a longer buzz it shows the control panel is clean again to be programmed.

Finally to program the code press the button again and simultaneously press one button off the remote control.

When a buzz is heard the remote control is already programmed.

In this process it needs to be very fast. If press too long on the button it would clean away the code programmed before. Than only the remote control last programmed can work well. Those you did before will not work again.

Mostly it needs not to clean the control panel's code. When customer needs a new remote control, just take out the control panel, program the remote control directly.

What if I accidentally drive over it?

Parking lock has been tested to withstand a 2 tons vehicle driving over the top of it. The cover and its contents can withstand occasional driving over, but the painting and sign with your information on it are likely to be damaged with continuous driving over.

What if I want to change parking lot to other place?

Your parking lock can be relocated to a new spot.

What happens when the battery goes flat?

The battery will almost always only go flat in the Down position. If in the unlikely event that the battery goes flat in the Up position, gentle pressure with the hand while pushing the Down button on your transmitter will assist to send it down.

How do I recharge the parking lock?

You need to open the parking lock unit with the supplied key, and change over the battery with your fully charged spare battery. The battery you remove can then be put on charge in your office to be ready for the next change over.

How long between charges will the parking lock operate?

Under ordinary usage conditions (two to four operations of the parking lock per day) the battery will last between four and six months.

Tests conducted have seen in excess of 12 months operation, so there is a variance. The transmitter will have a 12 to 24 month life depending on frequency of use. When the speed of up and down of the parking lock gets slowly, it indicates the battery needs to be recharged.

What if I accidentally drive into it when it is in the Up position?

There is a small amount of flexibility in the gear arrangement for minor contact. anything more that that is likely to damage the Uprights and damage your vehicle. It may is likely that only the uprights will be bent/broken and the internals of the parking lock will be undamaged. New Uprights and Identification Plate can be purchased and fitted to your parking lock as spare parts.