Bahama®

the LARGE-SIZE parasol

- Important Information –

Jumbrella XL



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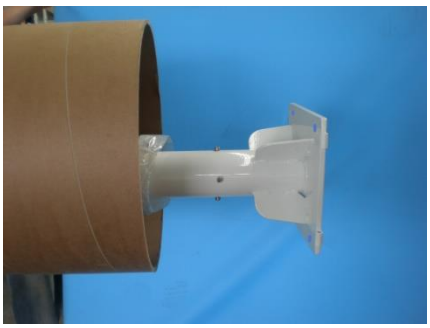
» *JUMBRELLA XL*«

Manufacturer's instructions on how to unpack the XL on site.



Picture **left** showing the OPENING HEAD end of the arriving transport cylinder package. Do NOT try to open the package at its opposite head end *(latter is depicted in the last two photos bottom right on this sheet*).



…. **strain washers** since these are indispensable for mounting the structure with its factory-prefixed Installation Console later i.e. upon erection of the structure. Strain washers fit into circular moulds in/ on top of the base plate of the In-Ground Console (in concrete).



Just another view of the OPENING head end of the package**:** Watch the screws with washers; a **total of 10** of them all around the package holding the heavy-duty wooden cover together with the Installation Console in centered position during transport handling.



Since the CXL-Jumbrella comes with the Installation Console readily prefixed by the factory, the structure can be pulled out of the cylinder as shown in picture. The base plate **side with** the **2 roll bearings** (in photo) **is the »operator side«** of the CXL structure! Temporary tipping axles and 4 (four) M16x50 installation screw-bolts in the separate accessory package! – **MIND** that the inner protective wrapping **must o n l y be removed** from the structure **upon completion of its erection & installation** – no matter whether you erect by hoisting equipment (crane) or by using the built-ping joint system.



Use a recessed cross-head screw driver to unscrew & remove all of those 10 screws with washers.

D o n e t h i s, ….



…. use a »27«-wrench to remove the 4 »M16« nuts from their screw-bolts which are just for fixing & holding the Installation Console onto the wooden head cover. They must n o t be used for any of the subsequent purposes (they are nothing but »lost« transport bolts).



*<u>Just for demonstration</u>**:** That's the way the <u>NON-OPENING</u> HEAD end of the cylinder package looks like. The black on white arrow in picture pointing to the opposite end which is the only OPENING head end of the cylinder package.*



Push the 4 screw-bolts back through the cover so that they drop inside the yet covered cylinder. Use one or two of the now empty bolt holes to pull the wooden head cover out of the cylinder. Remove those "lost" bolts b u t **collect & keep** their .....



*<u>Just for demonstration</u>**:** That's the way the top i.e. zenith of the wrapped CXL body looks like a f t e r the structure has been pulled out of its transport cylinder at the correct OPENING head end. Hoisting eyelet (in photo) always coming accessible directly.*

»BAHAMA *JUMBRELLA*« – Basic Model # CXL-4160 if installed in Mobile Stand # XL-U333-6/540kg.

Manufacturer's instructions on how to unpack such CXL on site.

Gross weight of the heavy-duty transport cylinder package = approx. **220 kg.** – Weight of the CXL *JUMBRELLA* body to be pulled out of the transport cylinder = approx. **154 kg**. – Overall cylinder package length = **5.40 m**.



Picture **left** showing the OPENING HEAD end of the arriving transport cylinder package. Do NOT try to open the package at its opposite head end *(latter is depicted [second to last photo] bottom right on this sheet*).



Picture showing the double-cover package removed from the transport cylinder. In centre of the interior cover (inner side up in picture) is the recessed circular bearing where the bottom end of the CXL's column had been in during transport.



Just another view of the OPENING head end of the package**:** Watch the screws with washers: a **total of 10** of them all around the package holding the exterior h.-d. wooden cover together closely with the interior cover bearing the bottom pole end of the CXL.



The CXL structure can now be pulled out of its transport cylinder. As soon as the top i.e. crown end of the structure is clear of the cylinder, you get access to the factory-prefixed h.-d. ring-bolt enabling you to connect it to the hook of your hoisting equipment on site. Later, after erection of the structure & subsequent removal of its protective ”inner” wrapping materials, the ring-bolt is to be unscrewed temporarily to enable the conical crown cover to be put into its on-top position where it is to be secured by the said ring-bolt.



Use a recessed cross-head screw driver to unscrew & remove all of those 10 screws with washers.

D o n e t h i s, ….



….. use the slab handling tools from the by-pack of the Portable Universal Foot # XL-U333-6/540kg, insert them into & through the slothole openings in the double-cover package to get it …..



*<u>Just for demonstration</u>**<u>:</u>** That's the way the <u>NON-OPENING</u> head end of the cylinder package looks like. The black on white arrow in picture pointing to the opposite end which is the sole OPENING head end of the cylinder package.*



….. pulled out of the transport cylinder.



*<u>Just for demonstration</u>**<u>:</u>** That's the way the top i.e. zenith of the wrapped CXL body looks like a f t e r the structure has been pulled out of its transport cylinder at its correct OPENING head end. Ring-bolt (in photo) always coming accessible as shown in this picture.*

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General Instructions 06/10 –

on Unpacking, Pre- & Posterection Handling, and on the Operation of the Architectural Folding Structure Bahama »Jumbrella«, »Jumbrella Wave« and »Jumbrella XL«

Edition: 11/2015

[These written instructions to be handed onward to the erector as well as to the regular operator of the umbrella(s) immediately on delivery of the structure(s), prior to commencing unpacking].

Preliminary Recommendation.

In deciding to select one or several Bahama Jumbrella (incl. Wave or XL) structures you have settled on an outstanding brand product. **The very expenditure for it** (them) **ought to be reason enough for carefully reading these »General Instructions« [**a copy of it with its title distinctly readable from outside is in a transparent plastic pocket sticked onto one (of the two) solid head cover(s) of every umbrella package shipped by the factory**] before starting to unpack the structure**(s). To preserve both the functional and the visual i.e. aesthetic value of your investment, utmost care in unpacking, pre-erection handling, in erecting, posterection handling, and in the operation of the Jumbrella, Jumbrella Wave or Jumbrella XL is of the essence.

1. Unpacking and Preparing the Jumbrella for Erection.

For Jumbrella XL: Please refer to the manufacturer's additional "Instructions on how to unpack an XL on site", which is always attached to the opening head cover of the XL's heavy transport cylinder.

1.1 Recommendation: Put the no less than 4-metre long heavy-duty cardboard cylinder on two normal chairs (w/o arm-rests) or two trestles set up at an inter-distance of 2.5 to 3 metres.

1.2 Open the cylinder packing at the head end where the black & white directional arrow stickers point to. **Wholly remove all of the 5 screws from both head cover and cylinder wall.** Take the umbrella accessory package out of the cylinder end; you'll need it lateron. Have a help firmly hold the opposite cylinder end as you seize the bottom end of the major pole to start pulling the structure (without canting it) by up to an estimated 3/4th of its length out of its transport cylinder. Have the help release the non-opening end of the cylinder and, instead, have him hold the bottom pole end level to enable you to now seize the umbrella corpus in order to further pull it out and hold so to prevent it from crashing down onto the ground (which, if it happened, would cause unnecessary damages to it). You may now carefully lay the yet soft-wrapped umbrella corpus back down onto the chairs.

1.3 Store the empty (reusable) transport cylinder, its head cover and its fastening screws in some absolutely dry place. You might need it again sometime, for either transport or inter-storage of the subwrapped structure.

1.4 Wherever you carefully deposit (never drop) the yet soft-wrapped structure temporarily (prior to erecting it eventually), on the chairs, or on the ground:

1.41 Don't remove (yet) its either plastic hose wrapping or reusable protective cover (depending on how it was ordered)**! Leave this 'inner' soft wrapping on** until advised to remove it more below herein.

1.42 To move the yet soft-wrapped umbrella on site (prior to erect it to its vertical position in place)**: Lift it** (by no less than two persons – in case of the larger models & especially Jumbrella XL by no less than 4 persons) **at a time, and carry it!** Never, in whole or in part – e.g. with one end –, move, pull, push, or drag along the umbrella corpus over the ground nor over/against any other solid object**!** If this advice is disregarded, or is not being taken duly serious, visible membrane surface damages will surprise you upon first unfolding. The Jumbrella XL is to be erected either manually via the footings tipping hinge **(pls. mind the axle that needs to be inserted into the roll bearings!)** or by means of a suitable lifting device.

1.43 Whether you deposit the umbrella corpus on the ground, on two chairs, or on any other appropriate podium or the like, make sure that such **base is clear of sharp edges and/or any solid protrusions** that might damage the wrapping and, through and underneath/behind this, the multiple fabric layers of the membrane wound all about the frame corpus.

2. General Procedures for Erecting & Installing in Miscellaneous Footing Devices.

2.1 Every Jumbrella comes with its bottom major pole end factory-preassembled relative to the type of Bahama footing component that was selected by the orderer, and that either was shipped together with the umbrella or had been shipped ahead for preparatory works on site. Such factory-anticipated preassembly also comprises wiring/ earthing and plug connection if the umbrella concerned was ordered to be with (optional) built-in Bahama **»Light« or »Magic« a/o »Sound«** or Bahama **»Heater« and »Light« or »Magic« a/o »Sound«** respectively.

2.2 Every Jumbrella coming factory-equipped with its suitable ADAPTER (massive aluminium rail insert). Its primary function is to stiffen and reinforce the major pole in its most stressed sector extending from the top rim of the pole's exterior sleeve up to some 20 cm above. Furthermore, since being the interiorstiffening & reinforcing element inside the major pole, the ADAPTER offers all tapholes (visible behind and concentric with respective bore-holes in walls of major pole and exterior sleeves) necessary for final on-site installation of the umbrella in the predetermined type of footing. Eventually, the ADAPTER comes with firmly built-in plug unit where the counter-plug at the uppermost end of the 230-(or 108/130-) volt AC feed cable (from position of the external ON/OFF control box, in & through the ground, conduit extension and in-ground sleeve [in concrete] further up) is to be plugged in during installation of the umbrella(s) factory-equipped with optional Bahama »Light« or »Magic«.

2.3 Except for with »Light«/»Magic« and/or »Sound«-equipped Jumbrella editions coming factory-preassembled to be installed in »Universal In-Ground [concrete] Sleeve« # 0451-99/E or #1451-99/E and Jumbrella models from Ø 5.6 m round, from 5.00 x 5.00 m square and from 5.00 x 3.75 m rectangular, respectively, the ADAPTER is coming with its entire length wholly inserted flush with the bottom end of the major pole of the structure and, during transport, is held in position by a visible fastening screw some 30 cm up from the bottom pole end. Such "wholly-inserted" supply status to be maintained unchanged o n l y i f the structure – come it with or without Bahama »Light«/»Magic«/»Sound« – is going to be installed in either a »3-piece Universal In-Ground Base« with tipping joint, a Bahama »Portable Universal (heavy-weight) Foot« from the # U333-line, or in the Bahama »Heavy-Duty Flat (steel-plate) Foot« # 0334/E; # 0334-10/E; # 0335/E or # 0335-12/E. The ADAPTER of the Jumbrella XL generally remains wholly inserted in the major pole!
– In contrary to that:

Remark: **All permanent installation systems based on whatever type of BAHAMA »Universal In-Ground Sleeve« [# 0451-99/E or 1451-99/E] or »Asymmetric Universal Underground Footing« console [# CHIRA-0451/2007 or CHIRA-1451/2007] have in common that – on completion of installation of the structure – the interior ADAPTER is to extend half-way (≈ 32-33 cm) "down" into the receiving sleeve in concrete, and half-way "up" into the major pole of the structure. In this case either disengage the wholly inserted ADAPTER by unscrewing the aforementioned fastening screw (remove wholly, temporarily) and pull it out of the bottom pole end or – in case of the aforementioned models – insert the ADAPTER into the major pole. Screw in again & tighten the fastening screw (with its soft plastic washer). The correct amount of the ADAPTER's extension is positively achieved as its 'new' i.e. alternate receiving tap-hole shows up in, and is concentric with, the mere borehole in the exterior pole wall; so no precision measuring required to re-engage the ADAPTER inside the pole.**

2.4 It would lead too far herein to refer to the individual specific working steps required for final installation as these steps vary relative to both the umbrella model/size & equipment (with/without »Light«/»Magic«; »Heater«, etc.) and its applicable type of Bahama footing device as this was selected when ordering. Said steps are referred to in additional specific documentations (drawings, descriptions, etc.).

3. Common Posterection, Unfolding & Tensioning Steps.

3.1 During and upon basic erection the umbrella corpus **to be in its soft-wrapped condition still** (either plastic-hose material or optional reusable protective cover wrapping)!

3.2 Just temporarily engage the pole in its footing component in concrete to ensure that the structure will not be lifted out of its footing again (e.g. by a sudden gust) during the following working steps.

3.3 To remove the protective soft wrapping material:

3.31 Use a free-standing safety stepladder secured by a second person standing on the ground. Set it up across and closest to the now standing umbrella structure.

3.32 Use the white/clean protective gloves from the structure's accessory kit coming with to prevent the fabric corpus from getting dirtied unintendedly.

3.33 If the fabric corpus is in standard plastic hose wrapping: Manually untie (don't use scissors, knife or any other tool – ***take note of the specific "Take care!" warning notice visible and legible on or through either plastic hose or protective cover packing material*** !) the fabric ribbon bow at the bottom of the hose wrapping so that the hose regains its full width at the bottom.

3.34 If the fabric corpus is in a reusable protective cover: Untie its cords at the bottom.

3.35 Initially from the ground, then from your rising position on the ladder, gradually shift hose material or cover up as much as practicable. Eventually, from your highest position required on the ladder, pull hose or cover off the top of the umbrella structure. Recommendation: Store up hose or cover for reusage when required.

3.4 Both the cone-shaped solid top cover (apex element) and the (white) screw-ball to be taken from the accessory package coming with every Jumbrella. The larger & heavier models come with a factory-fixed crane eyelet, which has to be removed first. Put the solid cover on top of the structure. Make sure it touches down and engages distinctly. Insert the screw-ball or eyelet, respectively through the central opening in top of the cover (receiving taphole right underneath), screw in and tighten it so that it cannot unloosen again by itself. Remove the ladder since it is no longer required from now on.

3.5 Unlock and take both cylinder locks out of the tension latches. Partly (by some 30 degrees off its down position) open the left-hand latch so that it gets free from the blocking device (active only with the closed umbrella) on the major pole. Leave the left-hand latch in this partly opened/spread position.

3.6 Remove the Bahama Swiftbelt (buckle harness) from the umbrella corpus. With your hands clean (or wearing white protective gloves from the umbrella's accessory package), manually unwind the fabric layers of the membrane (wound all about the frame body) to neutral i.e. unwound & untwisted. The membrane should now "hang" relaxed for the following workings steps:

3.7 Slightly lift all 8 [10 or 12] rib (arm) ends off the structure to release the folding frame from its potential dead-centre configuration. From your ***operator position*** (facing the empty lock ports in both latches): Hook your finger tips under 2 extreme arm (rib) ends next to each other, and pull them towards your position to unfold the Jumbrella. With traditional i.e. valance-equipped membrane editions, interrupt unfolding in order to check valance shields not twisted (not jamming) about arm (rib) ends. If one or more of them twisted, clear them down before recontinuing to unfold.

3.8 Manually unfold further up to a 70 to 80 percent OPEN canopy configuration that allows you to get under it comfortably into your new position right in front of the major pole: Due to its mass centre-balanced kinematic design, the canopy stays put, it doesn't recollapse by itself. With both hands on shift the "carriage" (bearing tensions latches, sliding on major pole) up further, hold it in position with your left, open the RIGHT-hand tension latch up widely so to be able to engage its spring clip in the counter-catch overhead. Turn the right-hand latch down by approx. half its way or as required to enable you to also engage the left-hand spring clip in its counter-catch overhead. Thereupon, **wholly turn down both latches at a time**: When both latches have been turned down wholly, the canopy has reached 100 percent of its factory-predetermined amount of induced overall tension required!

Rule 1: To **Unfold** & tension the Jumbrella, always start with the RIGHT-hand tension latch (refer to 3.8), not vice versa!

Rule 2: Particularly when unfolding & tensioning the factory-new Jumbrella for the very first time, you'll perceive that tensioning particularly the right-hand latch requires a surprisingly high effort. If, on first-time unfolding, the structure has been kept OPEN & continuously exposed to weathering for 8-10 days, the initially observed, apparently high amount of manual force will be distinctly lower as you unfold the Jumbrella a second time. This phenomenon is due to the fact that the "residual stretching" potential, that is inherent in the new fabric material as well as in the entire membrane made of it, works out only under the combined conditions of maintained overall tension on one and permanent weathering influence on the textile material on the other hand. –

3.9 Reinsert cylinder locks into their ports in the tension latches, lock them up, and pull keys off.

3.10 Within its footing component type-related radial adjustment range of approx. 22.5°, turn the Jumbrella about its centre axis to align its relevant canopy edgeline concerned (arm end to neighbouring arm end with round/octagonal, diagonal-arm end to next diagonal-arm end with square and/or rectangular models) strictly parallel to the respective counter-edgeline of an already installed Jumbrella adjacent to yours particularly when adjusting SQUARE and RECTANGULAR canopy structures in "additive plan configurations" (in row, across, or "big square"), or to the frontline of e.g. any nearby building, wall, hedge, or the like. As the desired ideal canopy edgeline position has been found, secure it by tightening at least one of the major screw-bolts (major pole fixed to In-Ground Sleeve, Portable Foot or On-Deck Base). Done this, recheck ideal edgeline position maintained still so that readjustment/recorrection not required. If not, unscrew again, and repeat the aligning and tightening procedure.

Rule 3: **Precision adjustment (alignment) of the relevant canopy edgeline easier done by manually controlling the Jumbrella at one of its extreme rib ends (rather than at the major pole).**

3.11 Firmly tigthen all of the remaining major screw bolts of the footing component (varying relative to the selected type of footing device).

3.12 Reinsert the cylinder lock into its port either in locking ring (of Universal In-Ground Sleeves), or in locking block (of 3-piece Universal In-Ground Bases with tipping hinge, Portable Universal Foot and Octagonal On-Deck Base as well), lock it up, and pull the the key off. This is to prevent the Jumbrella from being dismantled & removed from its footing (by unauthorized hands). The Jumbrella XL, however, is an exception: Due to its considerably high dead weight, such theft-prevention device is not necessarily required. The XL Locking Block is nevertheless available as optional accessory.

4. Detensioning, (Re-) Folding & Securing the Jumbrella

4.1 Unlock and take both Bahama cylinder locks out of the tension latches.

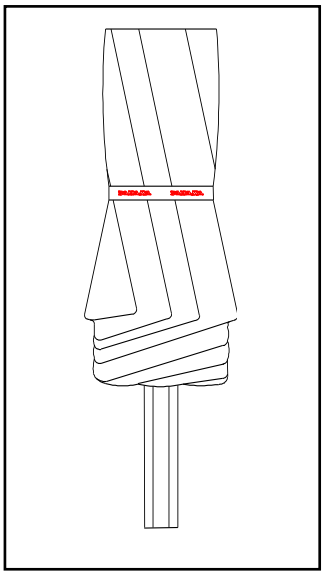
4.2 First turn up to detension & disengage (spring clip) the left-hand tension latch: The canopy (membrane) relaxes partly. Then turn up to detension & disengage (spring clip) the right-hand tension latch: The canopy (membrane) relaxes wholly, and the carriage slides down slightly (by a couple of cms).

Rule 4: To detension & (re-) **fold** the Jumbrella: Always start with the LEFT-hand tension latch, not vice versa!

4.3 Still from your operator position in front of major pole: Use both hands to slide the carriage further down (on major pole) by approx. 40 to 50 cm. The canopy stays put in this intermediate configuration. Make sure the left-hand latch is in a partly spread position (some 25-30° off vertical), – right-hand latch turned down wholly (non-observance of necessary spread position of the left-hand latch may damage or even destroy its [closed-configuration] blocking device – exception to this: the Jumbrella XL models!).

4.4 Proceed to the periphery of the canopy to continue from outside. With your finger tips push two arm (rib) ends further down and – at the same time, positively – wholly towards the major pole until you perceive an obvious (yet soft) mechanical detent.

4.5 Very important now : Pull each of the 8 (10, or 12, nbrs. depending on the very model) fabric sections wholly out of the frame corpus. Flatten i.e. smooth these now quasi triangular sections by distinctly stretching their centre pleats in one outwards and down at their lowermost/most extreme ends, and wind the so prepleated membrane sections in o n e sense all about the frame corpus – as illustrated schematically herein right ! – Also, in this context, please observe "Rule 5" per sub-para 4.8 more below !



4.6 Hold this wound-about "package" in shape, attach the Bahama Swiftbelt (buckle harness) a hand's breadth above the lowermost ends of arms, pull it reasonably (not sharply) tight, and press the clamping buckle closed – as illustrated herein right. Should the triangular fabric sections not lie flat and smoothly underneath the tightened Swiftbelt, again flatten them by stretching outward. – ***CAUTION: To strap the closed umbrella package don't use any wire, nor cord, nor any adhesive tape material!*** Should the respective umbrella come with more than one Swiftbelt (this is the case with larger square and rectangular models due to their different arm lengthes), all Swiftbelts have to be attached in accordance with the original arrangement upon delivery.

4.7 Turn the (yet partly spread) left-hand tension latch down wholly: By doing so, the cam protruding from the inward face of the latch must fully insert into its counter-port on the major pole – exception to this: the Jumbrella XL models. Reinsert both cylinder locks into their empty ports in latches, lock them up, and pull keys off – so to prevent the Jumbrella from getting unfolded by unauthorized persons.

4.8 In case you intend to refold and secure the Jumbrella for a longer term i.e for more than 1 to 2 weeks, and provided the structure was orderered to come with its (optional) reusable, made-to-measure protective cover (strongly recommended by the manufacturer):

[Using a free-standing safety step ladder to be placed across and close to the folded structure:]

4.81 Unscrew the (white) screw-ball/ crane eyelet in zenith to remove the cone-shaped cover from top of the structure. It is recommended to store parts in a place that you'll recall as you'll need them again for reunfolding the structure.

4.82 Pull the reusable protective cover over the top of the umbrella and, gradually, further down until it fits the top of the corpus. Wind binding cords twice about the bottom surplus of the cover, tighten both ends (to prevent vermin from getting inside), and tie them up thoroughly so that they cannot untie by themselves.

Rule 5: **Prior to closing & securing the umbrella for more than 2 days (48 hours) make sure its fabric membrane is absolutely dry, not wet, humid or damp, nor just "hand-dry"** (risk of damp-stains) !

5. Miscellaneous, Manufacturer's General Recommendations, Warnings, etc.

5.1 Except for and during speedily unfolding and/or refolding the Jumbrella under zero- or low-wind conditions, it must **never** be kept in any intermediate or transit configuration between »UNFOLDED & TENSIONED« and »(RE-) FOLDED & SECURED«!

// As to the REFOLDED & SECURED (harnessed) configuration of the Jumbrella structure:

If you disregard the proper refolding, fabric-gathering, spiralling and harnessing steps as described in the "very important" sub-paragraphs 4.5 through 4.7 herein above (in, for instance, just refolding the structure without executing all indispensable subsequent fabric and structure-securing steps), this will – sooner or later – result in unnecessarily premature heavy damages to and, eventually, destruction of the fabric membrane, such damages and/or destruction indicating the characteristic "fluttering effects".

They are caused by countless impacts of wind acting on the non-gathered and non-secured (non-"quieted") fabric sections of the membrane over weeks and months, or e.g. overnight, regularly. Unfailingly visible signs of commencing fluttering damages are several few centimetres long, salient crack-like horizontal traces spaced parallel to each other and all of them to the outer edgeline of the membrane, accumulating all about the (theoretical) radial centreline within in each section of the membrane. In the final stages of the evolution of fluttering damages, a large, more or less triangular band of cracks and even physical tears, whose lengthes will have grown up to 20-50 cm and beyond, extends from the zenith (of the structure) down to and, if membrane equipped with valance, beyond the roof edgeline of each major fabric section concerned. – By experience, fluttering damages and, eventually, complete destruction are the most frequent reason for as unnecessary as premature wear and tear of any fabric membrane. It's an aerodynamical peculiarity of fabric membranes damaged or destroyed by fluttering effects that the leeward fabric sections ("leeward" to be referenced to the permanent position of a structure relative to the yearly average direction of winds registered locally/regionally) are damaged sooner and throughout more severely than the "windward" fabric sections. //

5.2 Provided the selected original Bahama footing component has been set, cast in, preassembled and/or mounted on site in compliance with the manufacturer's drawings, their written supplementary instructions and/or other written type-related recommendations issued by the factory, the properly unfolded, tensioned & locked Bahama Jumbrella is capable of withstanding unusually high wind velocities (see model-associated **wind limits** – varying relative to both model/size and type of footing component selected/applied – published in the respective catalogues/brochures). Unless heavy winds, storms, thunderstorms or the like have been forecast on TV or radio, it is not recommended to unnecessarily (re-) fold & secure the properly unfolded & tensioned structure. Opposed to the widely spread opinion according to which daily unfolding & refolding decreases wear and tear and be, consequently, apt to extend the endurance particularly of the fabric membrane, latter – even though more exposed to weathering – lives the longer the less frequently the Jumbrella is refolded overnight.

5.3 Should you already be caught in a storm or a typical squall front (typical of preceding a thunderstorm), don't try (surely with the presumedly best intentions) to detension & refold the Jumbrella: Apart from the augmented risk of an accident (with bodily injuries), the probability of damaging or even destroying the structure, in part or in whole, under already prevailing heavy-wind conditions is by far higher than the one of the structure getting damaged or destroyed as it is in its unfolded & fully tensioned configuration. **As a rule of thumb: Never ever try to detension and refold the Jumbrella under already prevailing heavy-wind or storm conditions!**

5.4 Procurement of **spare/replacement parts**: No matter which part or parts might be required, always advise your supplier of the Jumbrella structure(s) of its(their) unmistakable serial number(s) to make sure that costly errors or misunder-standings are precluded. You'll spot the serial number (SNR) embossed on the stainless-steel brand plate that is on the exterior carriage body (on major pole), a hand's breadth above the tension latches (***operator side***). –

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BAHAMA *JUMBRELLA CXL*

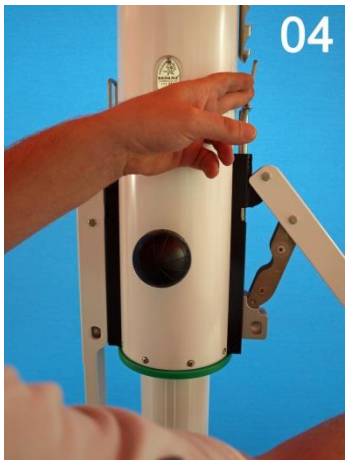
Manufacturer's Amending Instructions # 120801

1. **These Amending Instructions have been based on in-factory handling practice of all CXL models built & shipped on or after March 16, 2012. Reason for this amendment: Redesigned CXL models standard-equipped with "two-catch tension rods".**

2. **Factory-new CXL models ordered on or after July 31, 2012 that are to be equipped & supplied with a non-standard *"FR* (fire-retardant) *fabric"* membrane** [rather than with *»betex®05«* standard-fabric membrane] **are factory-equipped with specially designed, so designated *"FR tension rods"*. U n l e s s , lateron** [when the original *"FR fabric"* membrane on frame will be worn/unusable]**, replaced again by a factory-new *"FR fabric"* membrane, selection of a standard *»betex®05«* membrane additionally necessitates replacement of the *"FR tension rods"* by regular CXL standard tension rods.**



Picture showing the CXL Jumbrella in yet folded, however, properly relaxed condition i.e. shortly prior to shifting the carriage up on pole. – Cylinder locks must be removed from their receiving pits in the tension levers!



Open the right-hand tension lever with your right hand whilst pushing its spring clip slightly off with your left so to enable you to engage it in the lowermost catch of the tension rod overhead when opening the lever up further (than shown in this picture).



Use the black handles to shift the carriage up on pole as much as possible, at any rate as this is visible …..



This picture showing: Spring clip has snapped in.

Turn the right-hand tension lever …..



….. in this picture .



….. down wholly.

p.t.o. …..

continued from front page …..



Open the left-hand tension lever with your right hand whilst pushing its spring clip slightly off with your left so to enable you to engage it in the lowermost catch of the tension rod overhead when opening the lever up further (than shown in this picture).



This picture showing: Spring clip has snapped in.

Turn the left-hand tension lever …..



….. down wholly.



Reopen the right-hand tension lever until its spring clip by itself snaps into the uppermost catch of the tension rod overhead.

Turn the right-hand lever down wholly.



Now reopen the left-hand lever until its spring clip by itself engages in the uppermost catch of the tension rod overhead.

Turn the left-hand tension lever down wholly.



This picture showing: Spring clip has snapped in.

Turn the left-hand tension lever …..



….. down wholly.

The CXL Jumbrella has now been readily tensioned open. Last step to be taken yet: Reinsert cylinder locks into their receiving pits in the tension levers, lock them up, and pull keys o f f .

To detension i.e. close the CXL Jumbrella, proceed by the reciprocal sequence of steps herein above: Begin with the left-hand tension lever.

General advices to preserve the CXL Jumbrella:
As regards closing, reefing (the membrane) and securing the CXL Jumbrella, never disregard, nor deviate from, the pertinent instructions & procedures laid down in the WIND CERTIFICATE 2012 as well as in the manufacturer's General Instructions, Edition VI (pages 4 & 5). Moreover, please mind: Infrequently closed CXL Jumbrellas u s e t o l i v e l o n g e r .

BAHAMA®

Always remember to …

- properly fold and secure your umbrella when heavy winds have been forecasted
- fabric that gets stuck between the spokes is prone to receive friction marks and/or holes
- pull the fabric carefully out of the spokes and fold the membrane around the umbrella frame
- only use a Bahama Swift Belt to secure the umbrella. Other items such as ropes and tapes will damage the textile membrane



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Winter Storage …

- For winter storage, the membrane of your umbrella should be absolutely dried through. Otherwise, non-removable mould stains will develop.
- In case your Bahama umbrella is to remain installed outside during the winter, you should take off the membrane, secure the frame with the Bahama swift belt and wrap it with the basic protective cover, which is tied up on its lower end.
- You may also use the protective cover comfort with telescopic rod, which facilitates the cover up as the removal of the membrane, top cover and ball is not necessary. A step ladder is not needed either.
- In the event that your Bahama umbrella is equipped with any electro-mechanical options such as Lighting / Led-Lighting, Heating and Sound, you should make sure that all switches in the External Control Unit are turned OFF!





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Care and Maintenance of your Bahama Membranes and Umbrellas …

- While rodents usually disdain clean(ed) membranes, they have a tendency to infest dirty and deteriorated textiles, which - in turn - can only be disposed after having been eaten away.
- During spring season, the processing time for cleaning/ repairing your returned membranes or umbrellas is of approx. 3-4 months.
- Depending on your confirmation of our cost estimate, this processing time is of only approx. 4-6 weeks during the months of September through November.
- Furthermore, we will grant you a discount of 10 % on the membrane cleaning charges during these months (September through November).
- Providing that textile membranes have been handled with care and were subject to normal strain, they will have reached their maximum age after 4-5 seasons. The reasons for this are – among others – the increasing UV radiation and environmental emissions as well as longer operating times. In the event that your membrane was ordered some time ago, you should contact us and discuss the cleanability before you return the membrane to us for cleaning and/or repairing purposes.





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BAHAMA®

the LARGE-SIZE parasol

Jumbrella | Operating Instructions



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Jumbrella | Operating Instructions

• how to properly operate, fold and secure a Jumbrella

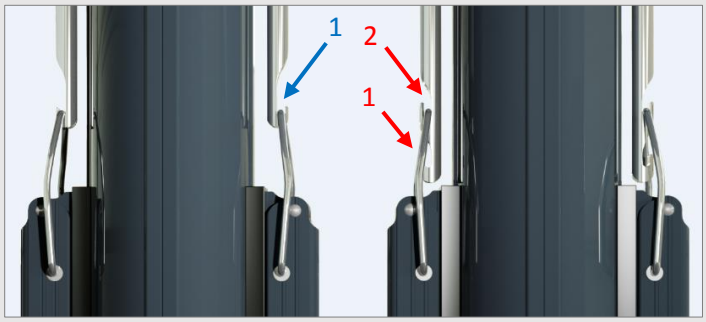
• approximate time required until completey secured: 5 to 8 minutes

Important Information:

Should you notice that a brand-new membrane leaks rainwater during the very first rainfalls it is exposed to, there is no need to be concerned! The textile membrane and its sewn joints, made of polyester fabric, cannot be 100% impermeable to rainwater from the very first minute on.
The initial leakage along the sewn joints will gradually diminish and disappear eventually. The more intensively a Jumbella with a brand-new membrane is kept outdoors, tensioned and exposed to different weather conditions (wet/dry/cold/warm), the earlier the leakages will disappear.

Important Information:

Larger Jumbrella models have tension rods with twin hooks (red arrow) instead of single hooks (blue arrow).
The twin hook system facilitates the opening of the larger umbrellas.



Swift Belts:*



all round and square models receive 1 swift belt only



all rectangular models receive 3 swift belts



exception: 4 x 3 m (receives 2 pcs. only)

Safety Notice:

Operating, folding and securing should be carried out under no- or low-wind conditions only !



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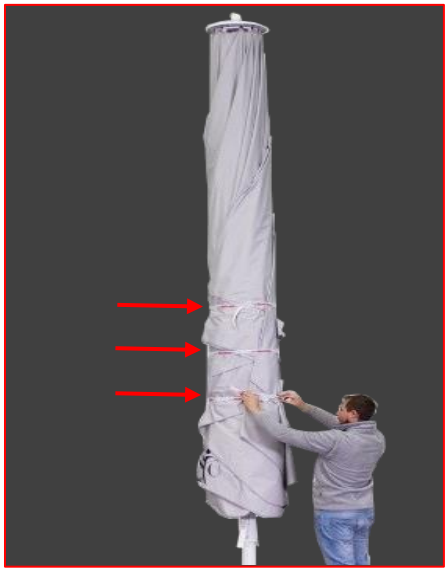
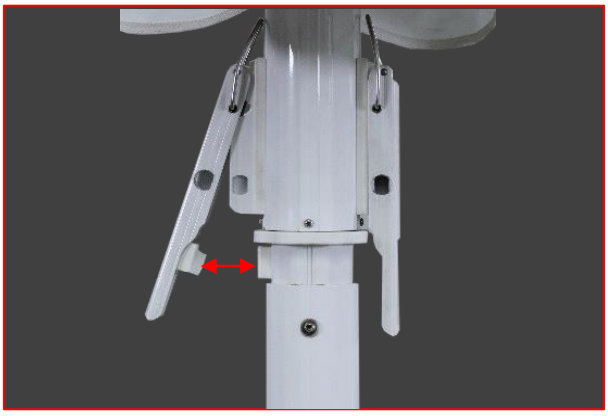
Jumbrella | Unfolding & Opening

Step	Description	Image
1	Fully closed and secured Jumbrella (6 x 4.5 m) with 3 swift belts*. * the number of Bahama swift belts used for securing varies depending on the umbrella size (please refer to page 1)	
2	Use the key to unlock both cylinder locks. Then remove these and keep them for reinsertion once the umbrella has been fully opened.	 
3	Partly open the left tension latch so that the unfold prevention (red arrow) device disconnects.	

Step	Description	Image
4	Use a step ladder* and remove the swift belts. * the use of a step ladder is only required for larger models.	
5	Loosen the fabric sections that are winded around the Jumbrella frame.	
6	Especially for Jumbrellas with valances make sure that the valances are not turned upwards at the canopy edgeline.	
7	Now slightly pull the diagonal spoke towards you as much as is needed to ….	

Step	Description	Image
8	… get underneath the Jumbrella.	
9	By using the right-hand tension latch push the carriage upwards to engage the spring clip into the first hook on the tension rod.	
10	Turn the right-hand latch all the way down and then …	
11	… engage the spring clip of the left-hand latch into the first hook of the tension rod as well. For Jumbrellas with single hook system this is already the **final step** !	

Step	Description	Image
12	Now turn the left-hand latch all the way down.	
13	The Jumbrella is now pre-tensioned only. Jumbrellas with the single hook system are now **fully tensioned** !	
14	Use the right-hand tension latch to engage the spring clip into the second hook on the tension rod. **Steps 13 - 18** are not applicable for Jumbrellas with single hook system.	
15	Turn the right-hand latch all the way down and then … **Steps 13 - 18** are not applicable for Jumbrellas with single hook system.	

Step	Description	Image
16	… engage the spring clip of the left-hand latch into the second hook of the tension rod as well. **Steps 13 - 18** are not applicable for Jumbrellas with single hook system.	
17	To finalize tensioning turn the left-hand latch all the way down. **Steps 13 - 18** are not applicable for Jumbrellas with single hook system.	
18	Once this step is completed the Jumbrella is fully tensioned and unfolded. **Steps 13 - 18** are not applicable for Jumbrellas with single hook system.	
19	Now reinsert both cylinder locks to prevent unauthorized indiviuals from manipulating the umbrella structure.	 

Step	Description	Image
20	Your Jumbrella is now **open** and **fully tensioned**.	

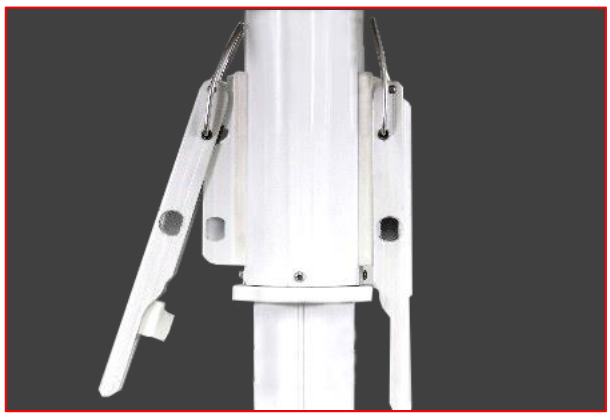
Reverse Order

Jumbrella | Closing & Securing

Step	Description	Image
21	The Jumbrella in its **open** and **fully tensioned condition**. Both tension latches have been secured by a cylinder lock.	

Step	Description	Image
22	Use the keys to unlock both cylinder locks. Then remove these and keep them for reinsertion once the umbrella has been fully closed.	
23	Start the closing process by pulling the left-hand tension latch slowly upwards. **Steps 23 - 27** are not applicable for Jumbrellas with single hook system.	
24	Then disengage the spring clip from the second hook... **Steps 23 - 27** are not applicable for Jumbrellas with single hook system.	
25	... and re-engage it in the first hook. **Steps 23 - 27** are not applicable for Jumbrellas with single hook system.	

Step	Description	Image
26	Turn the right-hand tension latch slowly upwards and … **Steps 23 - 27** are not applicable for Jumbrellas with single hook system.	
27	… disengage the spring clip from the second hook. **Steps 23 - 27** are not applicable for Jumbrellas with single hook system.	
28	Then re-engage it in the first hook. The Jumbrella is now back in its pre-tensioned state. Jumbrellas with the single hook system are fully tensioned in this position !	
29	By using the left-hand latch again slowly …	

Step	Description	Image
30	… disengage the spring clip from the lower hook.	
31	Repeat this step with the right-hand latch by …	
32	… pulling the carriage slightly upwards.	
33	Keep the left-hand latch partly open.	

Step	Description	Image
34	Pull the carriage down.	
35	Get out from underneath the Jumbrella and use the diagonal spoke to gently push the frame together.	
36	Once the Jumbrella has reached its closed position carefully pull the fabric sections out of the spokes. Do not rip stuck textile sections out because it will damage the fabric.	
37	Once all fabric sections have been pulled out of the folding frame start to …	

Step	Description	Image
38	… wind them around the Jumbrella while using a step ladder.* * the use of a step ladder is only required for larger models.	
39	Wrap the swift belts properly around the folded frame.	
40	Push the left-hand latch into its final position, where it re-connects with the unfold prevention device.	 
41	Re-insert both cylinder locks and lock up the Jumbrella. Keep the keys in a safe place for reusage.	 

Step	Description	Image
42	Use Bahama swift belts only ! Refrain from using any other materials as it will damage the textile membrane.	

Recommendation

	Protective Cover: For storage, especially in the winter time, we recommend the usage of our protective cover with telescopic rod. **Advantages:** It facilitates the cover up because: - a step ladder is not required - the removel of the membrane, top cover and ball is not necessary - it is made of our standard fabric, which allows for the textile to breathe - the growth of mold stains is thereby prevented	



Bahama Wind Warranty

Bahama grants you, in addition to the legally binding warranties and on the basis of our General Terms and Conditions, a wind warranty for parasols in open condition. The maximum wind velocity depends on the parasol model and the chosen Bahama installation option. Please refer to the maximum wind velocity allowed according to the product lines and basic models listed at the end of this booklet.

Total Wind Warranty

The basic wind warranty of 37 months can be extended twice – each time for 37 months. The full validity period of the wind warranty Bahama offers, including the two-time extensions, is in total 111 months, that means 3,376 days or more than 9 years.

You may be asking yourself how we calculate such a time frame? The tensile strength of the textile membrane lessens over time due to the influence of various weather conditions and especially disproportionally in the first 3 years. The other fundamental properties of the parasol such as sun protection and waterproofness remain the same. Bahama can, however, only grant the wind warranty with maximal tension and tensile strength of the textile membrane.

For this reason: a newly exchanged Bahama textile membrane = a new Bahama wind warranty.

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Basic Wind Warranty with the Purchase of a Parasol – Requirements for Reclamations

- Filled-in warranty booklet
- Fully opened and therefore completely tensioned parasol
- Proper handling according to the instruction manual
- Horizontally blowing wind or gusts
- Interim membrane cleaning: exclusively through Bahama
- Installation with original Bahama parts according to factory specifications
- Compliance with conditions for »mobile« or »permanent« installation options:
- Permanent: lift-safe installation in an underground concrete foundation in accordance with the Bahama foundation plan and using Bahama's model-specific installation device
- Semi-permanent: lift-safe installation of Bahama's octagonal steel plate with a welded sleeve onto massive concrete ground using mandatory factory heavy-duty anchors or on wooden planks using carriage bolts and ring washers
- Mobile: installation in Bahama portable stand complying with the maximum permissible wind load depending on the model

Wind Warranty Exclusions

This warranty does not apply to:

- vortices or tornadoes (no horizontally blowing winds or gusts)
- parasols on steep slopes, slope or embankment edges or on rooftop terraces
- installation devices and parts that were not provided by Bahama
- textile membranes not made by Bahama
- changes to the construction
- textile membranes cleaned by third parties (own cleaning or external companies)

Requirements for the Extension of the Wind Warranty

- Intact and undamaged Bahama parasol frame with serial number plate
- Filled-in warranty booklet

In the Event of Wind Damage

Should despite most modern technology and the highest quality standards your parasol suffer wind damage, mail or send us the following information at the latest within 2 days of the damage's occurrence

- A copy of page 3 of your warranty booklet; please mind the validity period of the wind warranty
- Day and hour of the occurrence of the wind damage and/or when the damage was discovered
- Pictures of the damage: unaltered condition, close-ups, parasol with structural surroundings
- Picture of the serial number on the frame

Further information is to be handed in after wind damage. Unfortunately, costs are first incurred to you, which Bahama reimburses after the damage has been recognized as an official claim. We appreciate your understanding.

- The original letter from an officially authorized expert e.g. the National Meteorological Service or another regional meteorological service. The report must include the maximum wind and gust velocity at the time point of the damage (additionally the period of time from the beginning of the storm before the assessment of the damage)

Please note: Notifications of claim can only be processed when the above listed documents are complete.

Until the damage has officially been regarded as valid all requested spare parts, repairs or other services will be invoiced to you by Bahama. Should the wind damage be officially acknowledged these costs will be immediately reimbursed.

Company

Founded in 1950 today Bahama designs and manufactures a great variety of high-quality large-size parasols and sun sails. National and International customers alike trust in our industrial technology and accurate workmanship. The premium products from Bahama characteristically stand for technical attributes like compactness, durability and wind stability but also for aesthetical features like beautiful designs and materials.

»Made in Germany« – our full range production facility manufactures nearly all parts in house. Bahama further processes sustainable and environmentally friendly materials according to the OEKO-TEX 100 standard, Class 1. The combination of high-quality materials and the structural features allows Bahama to guarantee wind stability for its products, depending on the model, of up to 130 km/h.

And most importantly: we love customer service – from consulting to installation, from cleaning to winter storage and maintenance.

Discover the possibilities of an extended outdoor season. No matter what the weather. Just get to know us!



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Manufacturer's Notice to Users # 11/2015:

pertaining to the

Initial physical property of factory-new Bahama Umbrellas and factory-new Bahama Fabric Membranes

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Clarification of the technically inevitable, just limited initial permeability of rainwater:

In the event you experience that the fabric membrane of any **factory-new** Bahama umbrella structure just installed and commissioned or the **factory-new** replacement membrane – contrary to your expectations – leaks rainwater here and there during the very first showers, or during first rains lasting for hours even though the umbrella has been unfolded and tensioned properly, you need not be concerned nor feel obligated or entitled to reclaim a deficiency with the supplier of the umbrella or the replacement membrane: Your spontaneous complaint or warranty claim would have to be rejected since unreasoned.

Why ?

Because the **sewn joints** in all factory-new membranes made of coated polyester fabric cannot be 100-percent impermeable to rainwater **from the very first minute** they are exposed to showers or rains lasting for hours. In particular, permanent rain or sudden showers to which membranes are exposed for the very first time upon unfolding the umbrella may lead to limited no less annoying leakages which, however, are confined to the sewn fabric joints along the radially allocated arms of the folding frame and to the concentrically allocated joints within the membrane sections as well. Fabric sections between the sewn joints will never show any leakage for the reason that the »betex®05« fabric material itself is absolutely impermeable to water.

As a matter of fact and, provided that the umbrella is kept standing in its unfolded/tensioned configuration day and night, the phenomenon of initial leakage along the sewn joints will gradually diminish and will wholly disappear eventually. More concretely:

> **The more intensively a factory-new umbrella (membrane) is kept standing OPEN i.e. tensioned and thus continuously exposed to weathering** (continually wet/dry & cold/warm) **immediately upon first installation, the earlier leakages along the sewn joints will disappear.**

With particular regard to the aforedescribed phenomenon, it is "counterproductive" to keep any **factory-new** umbrella structure in its folded or refolded configuration (unless public forecast of heavy winds beyond the published allowable wind velocity limits require precautionary refolding & securing by harness).

In the context of this notice, it would lead too far to go into the – meanwhile known – micro-physical, chemical and processional causes for the phenomenon of initial leakage of sewn joints in coated polyester fabric material. Just one of the manufacturer's practical experiences should be known to buyers and users of Bahama umbrellas or factory-new Bahama replacement membranes:

Among ten thousands upon ten thousands, there has never been one Bahama membrane that did not grow absolutely impermeable to rainwater during few days or weeks upon initial installation.

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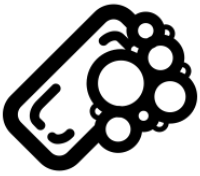
Textile Membrane | Cleaning Recommendation …

- In general, we advise our customers to carefully clean the upper side of the fabric membranes with a soft sponge and very mild soapy water.





- Strong rubbing and the use of aggressive chemicals should be avoided at all costs as it would destroy the membrane's coating. In addition, the membranes must not be cleaned using a steam and/or high-pressure cleaner.





- Unfortunately, mold stains are impossible to remove from the fabric. They occur when the umbrella is closed while the fabric is still wet. Therefore, you should always make sure that the fabric is 100% dry before closing and folding the umbrella.



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BAHAMA®
the LARGE-SIZE
parasol

Event | Jumbrella | Jumbrella XL
Protective Cover - comfort - with telescopic rod

For storage, especially in the winter time, we recommend the usage of our protective cover with telescopic rod.

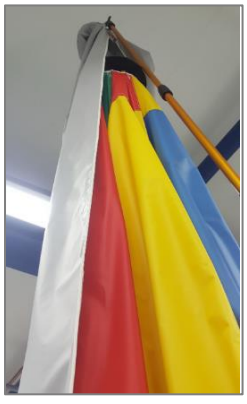
Advantages:

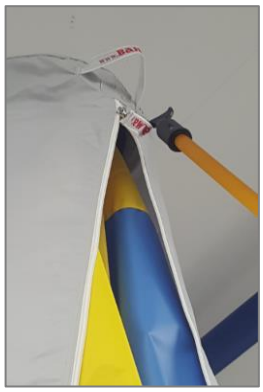
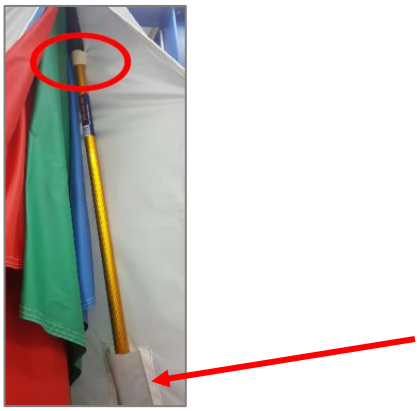
It facilitates the cover up because:

- a step ladder is not required
- the removel of the membrane, top cover and ball is not necessary
- it is made of our standard fabric, which allows for the textile to breathe
- the growth of mold stains is thereby prevented



Step	Description	Image
1	Take the protective cover out of the plastic bag. Do not open it with a sharp object such as a knife or the like. Then extend the telescopic rod.	
2	Unfold the protective cover.	

Step	Description	Image
3	Squeeze the top loop and the zipper loop together to facilitate the use of the telescopic rod.	
4	Use the hook on the very top of the rod to lift up the protective cover.	
5	Now move it alongside the closed umbrella.	
5	Use your other arm and reach around the umbrella. Grab one side of the cover in order to place it onto the cone shaped top cover.	 

Step	Description	Image
6	Use the second hook of the telescopic rod and place it inside the zipper loop. Then pull it down until…	
7	… you can reach the zipper with your hand.	
8	Retract the telescopic rod again and place it inside the pocket on the bottom of the right cover side. Then secure it with the Velcro® fastener.	
9	Pull the zipper all the way down and tie the white rope on the bottom together.	

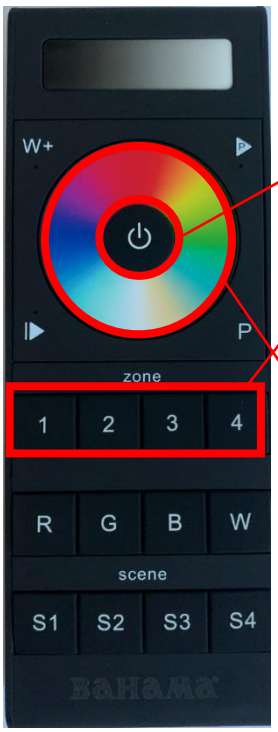
Step	Description	Image
10	Whenever you wish to remove the protective cover again, perform all steps in reversed order.	

Instruction Manual | LED-Lighting

Contents:

1. Teaching the remote control and connecting up to 4 umbrellas to one remote control
2. Remote control functions
3. Connection via Wifi | App

1. Teaching the remote control and connecting up to 4 umbrellas to one remote control



1. Connect the power supply to the umbrella.
2. Switch on the remote control.
3. Select and press the zone to which the umbrella shall be programmed.
4. Press the learning switch on the LED controller which is installed on the umbrella center pole.

   → The LED strips flash.
5. Select the desired light color using the color selector on the remote.



To sync more than one umbrella to the remote control, repeat steps 3 through 5.

Several umbrellas can either be synced to one and the same zone or to different zones.

Resetting the controller:

- Press and hold the learning switch until the LED strips flash and return to white light.

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2. Remote control functions

Adjust the brightness by slowly swiping or pressing

Press for warm white, neutral white, cold white mixed from the RGB colors

On/Off switch for all zones

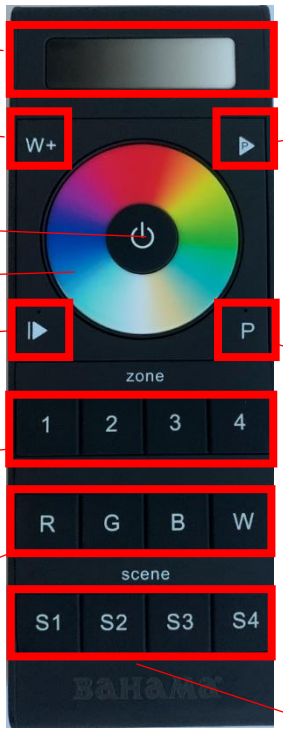
Color selection

Play | Pause – for 10 pre-installed programs – keep pressed to adjust the interval speed

4 umbrellas / groups:
Press for separately switching the individual zones on/off.

R | G | B | W – channels
Press to switch on/off the individual channel.
Keep pressed to adjust the light intensity.

If two channels are selected one after another, the two colors are mixed. To avoid mixing, the color selected first needs to be deselected before choosing another color.

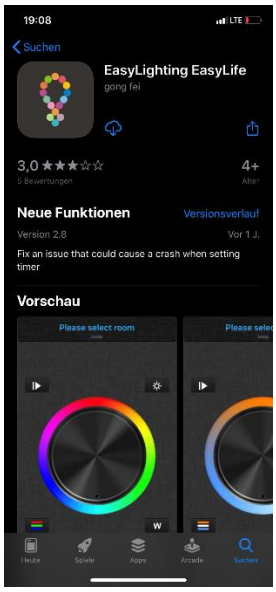


Press for playing the pre-installed programs in the following modes:
jump | flash | fade | strobe

Save own programs
- Press the “P” button – the LED strips flash once
- choose 2 to 5 colors via the color selector (max. 5 colors)
- Again press the “P“ button – the LED strips again flash once and the program has been saved
- the saved program can be played via pressing

Press and keep pressed for saving colors or settings | press for calling up the saved program

3. Connection via wifi | app

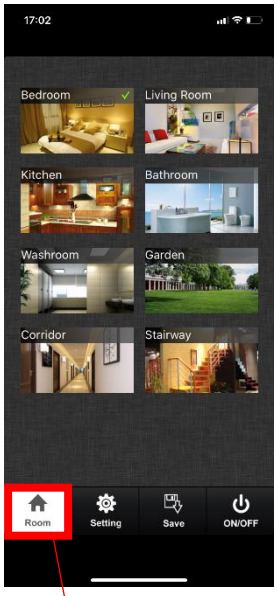


1. Install the app "EasyLighting Easy Life"
   The apps can downloaded using these QR codes:

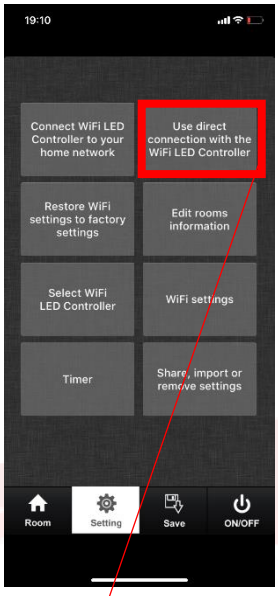
Android iOS

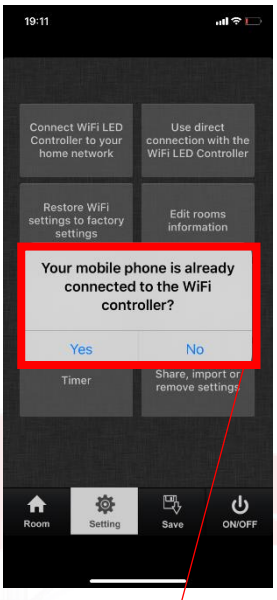
2. Connect your smartphone to the LED controller's wifi; SSID: EasyLighting_... Passwort: 0123456789

3. Open the app.









4. Click on:
   - "Rooms" and select the room to which the umbrella shall be programmed
   - "Setting"
   - "connection with the WiFi LED Controller"
   - "Yes" to confirm the question

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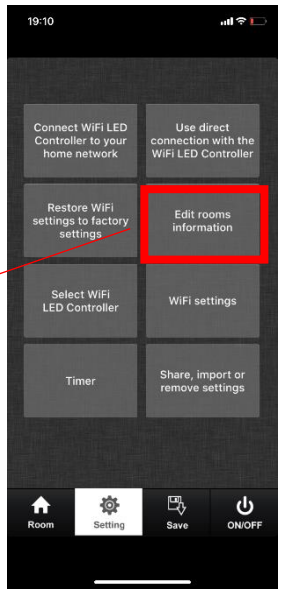
5. Click on:
   - “Setting“
   - “Edit rooms Information”





6. Press the learning switch on the LED controller which is installed on the umbrella center pole.
7. Press the ”Learning“ button in the app; the LED strips flash once
8. Again select the room to which the umbrella shall be programmed.

   The room name and photo can be edited afterwards as desired for better identifying each umbrella.



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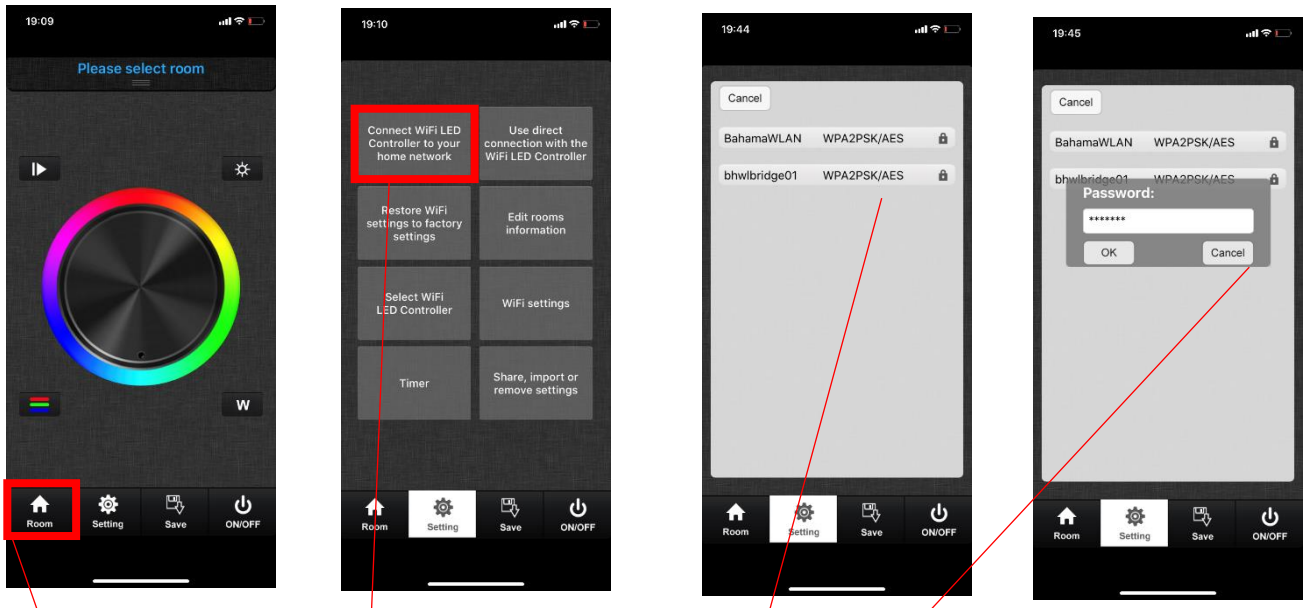
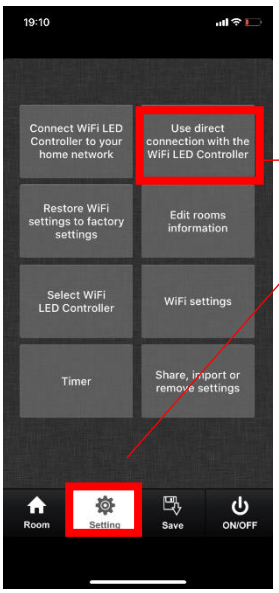


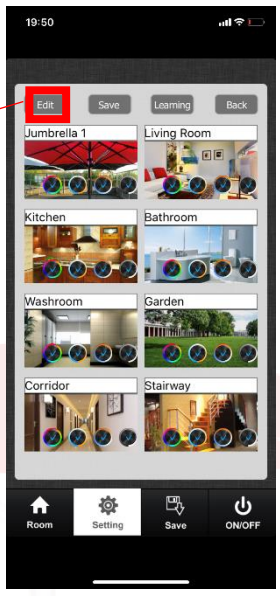
9. Last but not least the LED controller should be added to your private wifi.
   - click on “Setting“
   - click on ”Connect WiFi LED Controller to your home network”
   - select your wifi from the list and insert the corresponding password

10. Re-connect your smartphone to your private wifi.

11. You can now add more umbrellas to either the same room (simultaneous control) or to different rooms (individual control).



12. Changing the room name and photo
    - click on “Setting“
    - click on ”Edit rooms Information”
    - click on “Edit“
    - click on the room name to change it | click on the photo to take a new photo



Should you not be able to properly connect the LED controller, press the „Learning Switch“ on the controller until the LED strips flash (min. 3 seconds). This will completely reset the controller. Repeat the aforedescribed steps.

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Manual for heating radiators

1 Mounting the radiators to the umbrella support spokes

1.1 Please make sure that the power supply of the umbrella is switched off. (The switch is located in the External Control Unit – which *is not part of the supply scope*).



Note: In case of square/rectangular umbrellas, we recommend to mount the radiators to the middle support spokes. In case of round umbrellas, an even distribution to the support spokes is recommended. No matter which umbrella model is selected, the radiators should always be distributed evenly to the support spokes. The only exception to this are square/rectangular Jumbrella XL models: for these the radiators need to be mounted on the diagonal/corner support spokes.

1.2 Slide the radiator bracket into the umbrella support spoke; cable facing downwards.

Note: Loosen the fixing screw far enough so that it doesn't jam while sliding in the bracket.

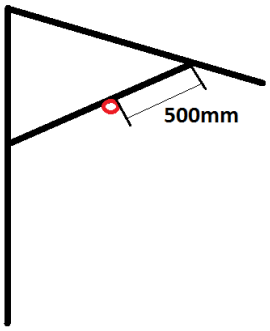






1.3 Slide each radiator upwards on the support spoke into the desired position. The minimum distance between the bracket and the upper end of the support spoke should be 500 mm.

Tighten the fixing screw until the radiator remains in the desired position.



1.4 Connect the radiator's plug to the nearest socket. Lead the cable along the right side of the support spoke to which the radiator is mounted.

Note: The four sockets are labelled H1 through H4.



1.5 After inserting the plug into the socket, turn it clockwise until the yellow spring slider snaps and the plug can no longer drop out.



Note: For disconnecting the plug, pull the yellow spring slider down and turn the plug counterclockwise until the plug can be pulled out of the socket.

WARNING: Make sure that the plugs are entirely engaged prior to switching on the power supply. Also, don't disconnect the plugs while the power supply is switched on. Disregard of this warning may lead to the plugs and sockets getting charred and thus destroyed.

1.6 Switch on the power supply only after all radiators have been completely mounted and connected.

2 Dismounting the heating radiators

For dismounting the radiators, carry out the installation steps 1.1 through 1.8 in reverse order. Please make sure that the power supply is switched off in the External Control Unit.



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Manual for heating radiators

3 Opening the umbrella and switching on the radiators



3.1 Turn the radiators from the swung aside position back until they face downwards in the opened umbrella. (When opening the umbrella after initially mounting the radiator brackets, they are already in the right position since they are slid in this way.)

Note: When opening the umbrella, please make sure that the radiators are not positioned too close to the center pole so that they cannot get jammed in the carriage assembly.

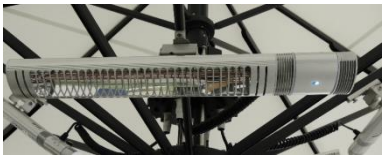


3.2 Turn the radiators by 90° until they are in a horizontal position.

Note: Please make sure that there's no contact between the spiral cable and the radiator.



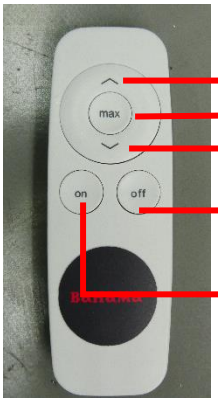
When the umbrella is fully opened and tensioned, the radiators may be switched on via the switches on their back.



The control lamps light up blue and the radiators are ready for operation.

3.3 You can now operate the radiators using the remote control (The control lamps light up red).

Note: All radiators can be operated by one and the same remote control. Should a radiator not respond, change your position towards it and press "on" again.



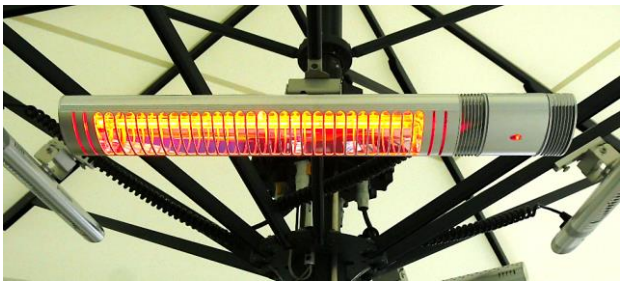
Heat level up

Max. performance

Heat level down

Radiator off

Radiator on



There are six different performance levels: 33%, 50%, 66%, 80%, 88%, 100%.

WARNING: When the radiators are in operation, any physical contact should be avoided since the radiators' **metal bodies** become **extremely hot**.

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Manual for heating radiators

4 Switching off the radiators and closing the umbrella

4.1 Switch off the radiators via the remote control (The control lamps light up blue again).

4.2 Check that all radiators have responded and have been switched off.

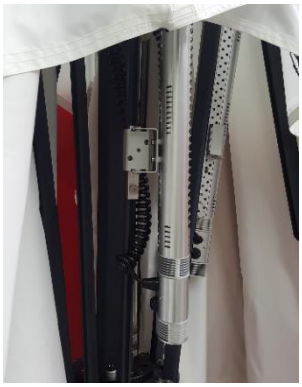
Note: Should one of the radiators still be in operation, again point the remote control towards it and press ”off“.

Do NOT immediately touch the radiators after switching them off &

do NOT immediately close the umbrella.

The radiators require **approx. 10-15 minutes** until they have sufficiently cooled down.

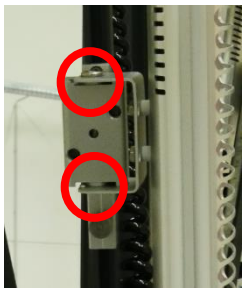
4.3 Turn the radiators back by 90° into a vertical position.





4.4 Begin to slowly close the umbrella. Before completely closing the umbrella, tilt the radiators by 90° to the right in the direction of the cable.

WARNING: The screws of the tilting bracket might come loose after several opening and closing procedures. In such a case, re-tighten the screws accordingly.



4.5 The umbrella can now be completely closed. Please make sure that the radiator bracket is positioned below the spoke supporting beam.

Note: You might have to slide the radiator further down. (This is especially required for radiators that are mounted to the diagonal support spokes of rectangular models.)



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Manual forheating radiators

Overview

Opening the umbrella

- Partly open the umbrella
- In half opened condition, turn the radiators by 90°
- Move the radiators to the desired position and fix it
- Entirely open and tension the umbrella
- Turn the radiators into a horizontal position
- Switch on the radiators using the switches on their back (control lamps light up blue)
- Adjust the heating intensity using the remote control

Closing the umbrella

- Switch off the radiators with the remote control
- Make sure that all radiators have been switched off (control lamps light up blue)
- Let the radiators cool down (approx. 15 minutes)
- Turn the radiators back into a vertical position
- Begin to slowly close the umbrella
- Tilt the radiators to the side and move them downwards if required
- Close the umbrella entirely

Safety instructions

- Make sure that the umbrella's power supply is switched off while installing the heating radiators
- Make sure that the plugs are inserted correctly
- When opening the umbrella, please make sure that the radiators don't get jammed in the carriage assembly
- Any physical contact with the switched-on radiators should be avoided
- Radiators should be touched only after they have cooled down
- Umbrella should be closed only after the radiators have cooled down
- Make sure that the screws of the tilting bracket don't loosen too far – re-tighten if necessary
- Make sure that the umbrella's power supply is switched off while dismounting the heating radiators



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