PRIOLITE

MADE IN GERMANY

PRIOLITE
MBX1000 - HotSync

PRIOLITE
MBX500 - HotSync

PRIOLITE
PRIO-CONTROL A

USB

ALL SINGLE ON

LOW BAT

TEAM
A
B
C
D

+

PILOT
PROP
FULL
OFF

TEST

ID

ID ON

MADE IN GERMANY

HOTSYNC

PRIOLITE - the name stands for

mobile lighting: battery-powered Monolights and
power packs of the highest technical level. Fast,
durable and unlimited mobilility through the use
of the latest lithium-ion battery technology.
And for your convenience, a unique bi-directional
remote control system is available that can be
used to control up to 36 devices for power settings
and to trigger at distances up to 300 m.

All light shapers are available in a virtually unli-
mited selection, because the Priolite system can
also hold light shapers of Bowens S-Line and
Hensel without any adapter.

Service and support centers provide help when-
ever needed; the network is being continuously
expanded worldwide.

Priolite stands for mobile lighting technology:
fast, reliable, innovative, and most importantly:
Made in Germany!

MBX 300 BATTERY-OPERATED MONOLIGHT
MBX 500 BATTERY-OPERATED MONOLIGHT

Monolights with X-changeable battery.

The flashes can be used without cable „on location" or in the studio.

All Priolite flash lights are developed and manufactured in Germany.

X-changeable battery

X-changeable battery

The units feature replaceable battery drawers that allow unlimited flash power without the need for an outlet. The batteries can be charged inside and outside of the housing of the flash unit.

All devices offer a bright, easily visible display for flash power setting. The flash power is adjustable in 1/10 f-stops using a turning knob. There is an internal power reduction when the flash power is dumped; in this case, the flash does not have to be released manually.

The Omega-shaped flashtube has a long life-span; it can be replaced by the user via a 3-point connection system. For flash triggering, the devices have a switcheable photocell; a switcheable audio signal indicates readiness of the flash. A temperature-controlled built-in fan prevents overheating.

The devices are ready for radio operation with their built-in remote control modules. The flash units can be controlled individually by the Priolite radio remote control; they communicate bi-directionally over distances of up to 300 m.

The flash power setting of an individual flash unit appears on the RC display and can be adjusted, modeling light options can be selected, and flashes can sent into ´sleep mode´. Up to 36 wireless flash devices can be controlled and triggered via remote power.

The massive reflector mechanics work without an external adapter to accept accessories from Bowens S-Line and many Hensel reflectors. Except for the handle, all parts of the units are constructed of solid metal. The support rail profile is made of aluminum casting, the reflector mechanics is made of die-cast aluminum.

The especially strong tilt head allows for tilting and rotation of the device and can support even heavy lighting accessories like big softboxes or octaforms.

The LED modeling light at the MBX 500 provides a bright light while preserving the battery.

CODE NUMBER	01-0300-06	01-0500-02
POWER OUTPUT	300 Ws	500 Ws
RECYCLING TIME	1.8 sec at full power	2.5 sec at full power
FASTEST FLASH SEQUENCE	3 flashes per second	3 flashes per second
FLASH DURATION	1/2100 sec (t05) at full power	1/4500 sec (t05) at full power
COLOR TEMPERATURE	5500 Kelvin	
MODELING LIGHT	LED equivalent to 80 W halogen	
ACHIEVABLE F-STOP	45.8 measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec.	64.2
FLASH SYNC SPEED	1/200 sec at focal plane shutter cameras 1/800 sec at central shutter cameras	
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack	
POWER CONTROL	in 1/10 f-stops over 6 f-stops, setting 10 corresponds to full power 300 Ws, setting 5 corresponds to minimum power 9 Ws	in 1/10 f-stops over 6 f-stops, setting 10 corresponds to full power 500 Ws, setting 5 corresponds to minimum power 16 Ws
FLASHES PER BATTERY CHARGE	180 flashes with 300 Ws each, setting 10; 360 flashes with150 Ws each, setting 9; over 4000 flashes at low power	220 flashes with 500 Ws each, setting 10; 440 flashes with 250 Ws each, setting 9; over 6000 flashes at low power
BATTERY CHARGING TIME	1 h to 80 %, 2 h to full charge; 16 V charger with multi-voltage connection for world wide operation	2 h to 80 %, 3 h to full charge;
BATTERIES	Li-ion battery with protection, no memory effect, 16 V, 25 Wh, weight 0.28 kg	Li-ion battery with protection, no memory effect, 16 V, 35 Wh, weight 0.6 kg
STANDARD DELIVERY	flash unit with glass dome (only MBX 500), tilting head, protection cap for transportation, flashtube, modeling light LED, built-in remote control module, Li-ion battery, charger, user´s manual	
ACCESSORIES	additional battery drawer for convenient battery replacement, remote control, various reflectors, textile lightformers, stands, beauty dish, trolley, bags	
DIMENSIONS	36 x 17 cm	40 x 17 cm
WEIGHT	3.0 kg (including battery)	3.7 kg (including battery)

MBX 1000 BATTERY OPERATED MONOLIGHT

Unique monolight with X-changeable battery.

The flashes can be used without cable „on location" or in the studio.

All Priolite flash lights are developed and manufactured in Germany.

The unit is perfect for outdoor shooting against the sun for showing detailed structures.

The units feature replaceable battery drawers that allow unlimited flash power without the need for an outlet. The batteries can be charged inside and outside of the housing of the flash unit.

All devices offer a bright, easily visible display for flash power setting. The flash power is adjustable in 1/10 f-stops using a turning knob. There is an internal power reduction when the flash power is dumped; in this case, the flash does not have to be released manually.

The Omega-shaped flashtube has a long life-span; it can be replaced by the user via a 3-point connection system. For flash triggering, the devices have a switcheable photocell; a switcheable audio signal indicates readiness of the flash.
A temperature-controlled built-in fan prevents overheating.

The devices are ready for radio operation with their built-in remote control modules. The flash units can be controlled individually by the Priolite radio remote control; they communicate bi-directionally over distances of up to 300 m.

The flash power setting of an individual flash unit appears on the RC display and can be adjusted, modeling light options can be selected, and flashes can sent into ´sleep mode´. Up to 36 wireless flash devices can be controlled and triggered via remote power.

The massive reflector mechanics work without an external adapter to accept accessories from Bowens S-Line and many Hensel reflectors. Except for the handle, all parts of the units are constructed of solid metal. The support rail profile is made of aluminum casting, the reflector mechanics is made of die-cast aluminum.

The especially strong tilt head allows for tilting and rotation of the device and can support even heavy lighting accessories like big softboxes or octaforms.

CODE NUMBER	01-1000-03
POWER OUTPUT	1000 Ws
RECYCLING TIME	2.5 sec at full power
FASTEST FLASH SEQUENCE	3 flashes per second
FLASH DURATION	1/4500 sec (t05) at full power
COLOR TEMPERATURE	5500 Kelvin
MODELING LIGHT	Halogen 100 W, dimmable
ACHIEVABLE F-STOP	90.2 measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec
FLASH SYNC SPEED	1/200 sec at focal plane shutter cameras 1/800 sec at central shutter cameras
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack
POWER CONTROL	in 1/10 f-stops over 7 f-stops, setting 10 corresponds to full power 1000 Ws, setting 4 corresponds to minimum power 16 Ws
FLASHES PER BATTERY CHARGE	160 flashes with 1000 Ws each, setting 10 320 flashes with 500 Ws each, setting 9 over 6000 flashes at low power
BATTERY CHARGING TIME	2 h to 80 %, 3 h to full charge 58 V charger with multi-voltage connection for world-wide operation
BATTERIES	Li-ion battery with protection, no memory effect, 58 V, 80 Wh, weight 0.9 kg
STANDARD DELIVERY	flash unit with glass dome, tilting head, protection cap for transportation, flashtube, 100 W halogen bulb, built-in remote control module, Li-ion battery, charger, user´s manual
ACCESSORIES	additional battery drawer for convenient battery replacement, remote control, various reflectors, textile lightformers, stands, beauty dish, trolley, bags
DIMENSIONS	46 x 17 cm
WEIGHT	4.5 kg (including battery)

MBX 500 HotSync BATTERY-OPERATED MONOLIGHT
MBX 1000 HotSync BATTERY-OPERATED MONOLIGHT

Monolights suitable to synchronize up to 1/8000 sec
and X-changeable battery.

The flashes can be used without cable „on location" or in the studio.

All Priolite flash lights are developed and manufactured in Germany.

The HotSync cordless compact flashes are optimized for flash synchronization up to 1/8000 second.

They therefore have a long and even flash duration of 1/200 second which is needed for focal plane shutters using such speeds.

The HotSync functionality is only available in combination with the Priolite remote control HS for Canon or Nikon cameras (see relevant manual).

The Hot Sync monolights can also be used with other flash trigger systems without restriction but in such cases only up to 1/200 second shutter speed.

By using very short shutter speeds, it is now possible even in daylight and sunshine to freeze high speed motion.

Furthermore, you can now open the lens even at very bright ambient light to achieve shallow depth of field.

It is perfect for: sports photography, wedding and portrait photography outdoors and in addition everywhere where you want to freeze high speed motion, for example, at hockey games, bicycle racing, mountain biking, horse racing, etc.

CODE NUMBER	01-0500-04	01-1000-05
POWER OUTPUT	500 Ws	1000 Ws
RECYCLING TIME	2.5 sec at full power	2.5 sec at full power
FASTEST FLASH SEQUENCE	3 flashes per second	3 flashes per second
FLASH DURATION	1/200 sec (t05) at full power	1/200 sec (t05) at full power
COLOR TEMPERATURE	5500 Kelvin	
ACHIEVABLE F-STOP	64.2 measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec.	90.2
FLASH SYNC SPEED	1/8000 sec in combination with Priolite remote control RC-HS-C/N	
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack	
POWER CONTROL	in 1/10 f-stops over 6 f-stops, setting 10 corresponds to full power 500 Ws, setting 5 corresponds to minimum power 16 Ws	in 1/10 f-stops over 7 f-stops, setting 10 corresponds to full power 1000 Ws, setting 4 corresponds to minimum power 16 Ws
FLASHES PER BATTERY CHARGE	220 flashes with 500 Ws each, setting 10; 440 flashes with250 Ws each, setting 9; over 6000 flashes at low power	160 flashes with 1000 Ws each, setting 10; 320 flashes with 500 Ws each, setting 9; over 6000 flashes at low power
BATTERY CHARGING TIME	2 h to 80 %, 3 h to full charge; 16 V charger with multi-voltage connection for world wide operation	2 h to 80 %, 3 h to full charge; 58 V charger with multi-voltage connection for world wide operation
BATTERIES	Li-ion battery with protection, no memory effect, 16 V, 25 Wh, weight 0.28 kg	Li-ion battery with protection, no memory effect, 58 V, 80 Wh, weight 0.9 kg
STANDARD DELIVERY	flash unit with glass dome, tilting head, protection cap for transportation, flashtube, modeling light LED, built-in remote control module, Li-ion battery, charger, user´s manual	
ACCESSORIES	additional battery drawer for convenient battery replacement, remote control, various reflectors, textile lightformers, stands, beauty dish, trolley, bags	
DIMENSIONS	40 x 17 cm	46 x 17 cm
WEIGHT	3.7 kg (including battery)	4.5 kg (including battery)

M 500 MONOLIGHT FOR MAINS POWER SUPPLY

Extremely fast monolight with 500 Ws, designed for multi-voltage operation and can therefore be used globally.
It offers a very bright 300 W halogen modeling light.

The M 500 is one of the fastest compact flash devices on the market. The flash recycle time is 1,0 sec at full power, while up to 5 flashes per second are possible at low power.

The bright modeling light enables accurate settings. Because of the proportional function, the resulting image can be reviewed before the flash series starts. The M 500 is fully compatible with the same range of accessories as the MB 500, MBX 500 and all other Priolite flash heads. The multi-function automatic reflector-holding mechanism enables the connection of Priolite accessories, Bowens S-Line accessories and many Hensel reflectors.

Like all Priolites, the M 500 comes standard with an integrated bi-directional wireless module. In conjunction with the radio remote control, the power setting and triggering of the Priolite units can be achieved over distances of up to 300 m.

CODE NUMBER	**02-0500-01** (multi-voltage) **02-0500-02** (230 V)
POWER OUTPUT	500 Ws
RECYCLING TIME	2.0 sec at full power
FASTEST FLASH SEQUENCE	2 flashes per second
FLASH DURATION	1/2500 sec (t05) at full power
COLOR TEMPERATURE	5600 Kelvin
MODELING LIGHT	Halogen 300 W, dimmable
ACHIEVABLE F-STOP	64.2 measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec
FLASH SYNC SPEED	1/200 sec at focal plane shutter cameras 1/800 sec at central shutter cameras
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack
POWER SUPPLY	multi-voltage 230 V 95 V - 240 V
POWER CONTROL	in 1/10 f-stops, setting 10 corresponds to full power 500 Ws, setting 5 corresponds to minimum power 16 Ws
STANDARD DELIVERY	flash unit with glass dome, tilting head, protection cap for transportation, flashtube, 300 W halogen bulb, built-in remote control module, power cable, user´s manual
ACCESSORIES	remote control, various reflectors, textile lightformers, stands, beauty dish, trolley, bags
DIMENSIONS	36 x 17 cm
WEIGHT	3.2 kg

M-PACK 500 BATTERY POWER PACK
M-PACK 1000 BATTERY POWER PACK
+ HEAD 1000 FLASHHEAD

Mobile power packs with 500 Ws and 1000 Ws respectively,
with replaceable battery, with one socket for the HEAD1000
for simple operation.
Up to 220 flashes at full power available per single charge.
Remote control of power setting and triggering is provided through
bi-directional operation.

The M-PACK 500 and M-PACK 1000 are mobile flash power packs with a capacity of 500 Ws and 1000 Ws, respectively. The batteries provide up to 220 flashes at full power and can be changed by the user. Therefore, the availability of replacement batteries allows almost unlimited flashes.

The batteries include a display showing the state of charge, and a charging socket where the batteries can be charged inside or outside the flash unit. The power switch is protected against accidental switching by a spring-loaded flap. That way the units can be easily transported without being turned on accidentally.

The M-PACK 500 and M-PACK 1000 can be connected to the flash HEAD 1000 via a massive connector. The power packs can be mounted either via a fix clamp on a stand or can be carried in a bag with a wide shoulder strap. A solid protective cap also allows placement on the ground.

The operation of the power packs M-PACK 500/1000 is the same as for the monolights MBX 500/1000. This way, operating errors are avoided.

Like all Priolite flash units, the M-PACK 500 and M-PACK 1000 are equipped standard with a built-in radio module. That means all Priolite flash units can be controlled using the remote control unit. The connection to the flash HEAD 1000 is done by a highly flexible flash cable with a standard length of 3.5 m. Extensions are available.

The flash HEAD 1000 has a high capacity and is equipped with an omega-shaped flashtube for even light distribution. The flash tube is easily replaced by the user. Furthermore, the flashhead comes standard with a protective glass dome. It is available clear or frosted.

CODE NUMBER	**04-0500-01** (M-PACK 500)	**04-1000-02** (M-PACK 1000)
POWER OUTPUT	500 Ws	1000 Ws
RECYCLING TIME	2.5 sec at full power	2.5 sec at full power
FASTEST FLASH SEQUENCE	3 flashes per second	3 flashes per second
FLASH DURATION	1/4500 sec (t05) at full power	
ACHIEVABLE F-STOP	64.2	90.2
	measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec	
FLASH SYNC SPEED	1/200 sec at focal plane shutter cameras 1/800 sec at central shutter cameras	
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack	
POWER CONTROL	in 1/10 f-stops over 6 f-stops, setting 10 corresponds to full power 500 Ws, setting 5 corresponds to minimum power 16 Ws	in 1/10 f-stops over 7 f-stops, setting 10 corresponds to full power 1000 Ws, setting 4 corresponds to minimum power 16 Ws
FLASHES PER BATTERY CHARGE	220 flashes with 500 Ws each, setting 10; 440 flashes with 250 Ws each, setting 9; over 6000 flashes at low power	160 flashes with 1000 Ws each, setting 10; 320 flashes with 500 Ws each, setting 9;
BATTERY CHARGING TIME	2 h to 80 %, 3 h to full charge charger with multi-voltage connection	
BATTERIES	16 V, 35 Wh, 0.6 kg	58 V, 80 Wh, 0.9 kg
	Li-ion battery with protection, no memory effect	
STANDARD DELIVERY	built-in remote control module, user's manual	
ACCESSORIES	additional battery drawer for convenient battery replacement, remote control, flash head	
DIMENSIONS	40 x 17 cm	46 x 17 cm
WEIGHT	3.2 kg (including battery)	4.5 kg (including battery)

CODE NUMBER	**05-1000-01** (HEAD 1000)
COLOR TEMPERATURE	5500 Kelvin
MODELING LIGHT	LED equivalent to 80 W halogen, dimmable
STANDARD DELIVERY	flash unit, tilting head, protection cap for transportation, flashtube, user's manual
DIMENSIONS	21 x 17 cm
WEIGHT	1.2 kg

HOTSYNC

M-PACK 1000 HotSync BATTERY POWER PACK

Mobile power packs
with 1000 Ws, replaceable
battery and one socket for
the HEAD 1000 for simple
operation.
Can be used in combination
with our HotSync remote
control for sync speed
up to 1/8000 second.
Up to 160 flashes at full power
available per single charge.
Remote control of power
setting and triggering is
provided through
bi-directional operation.

The M-PACK 1000 HotSync is optimized for flash synchronization up to 1/8000 second.

It has therefore a long and even flash duration of 1/200 second which is needed for focal plane shutters using such speeds.

The HotSync functionality is only available in combination with the Priolite remote control HS for Canon or Nikon cameras (see relevant manual).

The power pack can also be used with other flash trigger systems without restriction but in such cases only up to 1/200 second shutter speed.

By using very short shutter speeds, it is now possible even in daylight and sunshine to freeze high speed motion.

Furthermore, you can now open the lens even at very bright ambient light to achieve shallow depth of field.

It is perfect for: sports photography, wedding and portrait photography outdoors and in addition everywhere where you want to freeze high speed motion, for example, at hockey games, bicycle racing, horse racing, etc.

CODE NUMBER	**04-1000-03**
POWER OUTPUT	1000 Ws
RECYCLING TIME	2.5 sec at full power
FASTEST FLASH SEQUENCE	3 flashes per second
FLASH DURATION	1/200 sec (t05) at full power
ACHIEVABLE F-STOP	90.2 measured with 9 inch reflector at a distance of 1.0 m, ISO 100, measuring time 1/125 sec.
FLASH SYNC SPEED	1/8000 sec in combination with Priolite remote control RC-HS-C/N
SYNC VOLTAGE	5 V for safe triggering by modern digital cameras, socket for 3.5 mm phone jack
POWER CONTROL	iin 1/10 f-stops over 7 f-stops, setting 10 correspond to full power 1000 Ws, setting 4 corresponds to minimum power 16 Ws
FLASHES PER	160 flashes with 1000 Ws each, setting 10; 320 flashes with 500 Ws each, setting 9; over 6000 flashes at low power
BATTERY CHARGING TIME	2 h to 80 %, 3 h to full charge
BATTERIES	58 V, 80 Wh, weight 0.9 kg Li-ion battery with protection, no memory effect,
STANDARD DELIVERY	flash unit with glass dome, tilting head, protection cap for transportation, flashtube, modeling light LED, built-in remote control module, Li-ion battery, charger, user´s manual
ACCESSORIES	additional battery drawer for convenient battery replacement, remote control, various reflectors, textile lightformers, stands, beauty dish, trolley, bags
DIMENSIONS	46 x 17 cm
WEIGHT	4.5 kg (including battery)

LED 400 BATTERY-POWERED CONTINUOUS VIDEO LIGHT

Continuous light lamp with a light output equivalent to
400 W halogen.

Power consumption 70 W by Li-ion battery.

By using a high-performance battery, running time of 1 h
is achieved at full power.

The battery is replaceable for unlimited continuous operation.

The LED 400 continuous light has 70 high power LEDs on a massive heatsink.

Like all Priolite products the LED 400 comes standard with an integrated bi-directional wireless module. Therefore the power can be set with the remote control unit.

Special emphasis in the selection of LEDs was placed on the color rendering index RA. The LEDs used by Priolite have an index of RA 95 and therefore provide a fantastic color correctness. The light output is equivalent to a 400 W halogen bulb, but only with a fraction of electrical power required.

Therefore, this lamp can be operated with a high-performance Li-ion battery. This battery is easily changed by the user and thus allows an almost continuous operation of the lamp. The electronic system is monitored by a temperature sensor. In addition, an inaudible fan is installed to protect the electronics from overheating.

The lamp can be dimmed via the radio remote unit. In addition, the functions MAX and MIN power are available to bring the lamp quickly in the desired operating state. The power of the lamp can be adjusted in a continuous motion.

The LED 400 has the same reflector holding mechanism as all Priolite devices. This allows all light shapers such as reflectors and soft boxes to be connected.

As the construction of the LED lamp 400 is comparable to those of all other Priolite devices, the LED 400 can also be attached with the standard tilt head on the tripod.

CODE NUMBER	**06-0400-01**
LIGHT OUTPUT	400 W equivalent to halogen
POWER SUPPLY	changeable Li-ion battery, 58 V, 80 Wh, weight 0.9 kg,
COLOR INDEX	RA 95
COLOR TEMPERATURE	5500 Kelvin
RUNNING TIME	1 h at full power, 8 h at minimal power
POWER ADJUSTMENT	MIN / MAX setting and dimmable
BATTERY CHARGING TIME	2 h to 80 %, 3 h to full charge 58 V charger with multi-voltage connection for world-wide operation
REMOTE	integrated radio module for remote control with Priolite Control A
ACCESSORIES	reflector mounting system for accessories from Priolite, Bowens and Hensel
STANDARD DELIVERY	LED 400, built-in remote control module, protection cap, Li-ion battery, tilting head, charger, user's manual
DIMENSIONS	36 x 17 cm
WEIGHT	2.9 kg (including battery)

A 300 BATTERY 16 V for MBX 300
A 500 BATTERY 16 V for MBX 500, M-PACK 500
A 1000 BATTERY 58 V for MBX 1000, M-PACK 1000, LED 400

Replacement batteries for all MBX monolights and power packs.

Priolite uses only Li-ion batteries from well-known brand manufacturers such as Sony, Panasonic or Samsung.
The batteries are assembled and tested in Germany. All batteries have a special circuit protection against overload, short circuit, overcharge and overheating.

The batteries are supplied in a special protective housing, while high current contacts connect the battery to the flash unit. A data interface ensures that the device can only be switched on and off when batteries are completely inserted.

For charging, two special chargers are available. Charging can be done during operation without damage to the batteries. The charging can also be done outside of the device.

Since Priolite uses three different batteries, they are encoded to avoid confusion.

Battery A 300 with 16 V for MBX 300.

Battery A 500 with 16 V for MBX 500 and M-PACK 500.

Battery A 1000 with 58 V for MBX 1000, M-PACK 1000, LED 400.

Depending on the treatment of the batteries they can be used for up to 1000 charging and discharging cycles.

Charger for battery A 300 / A 500

CODE NUMBER   82-0101-01

Charger for battery A 1000

CODE NUMBER   82-0101-02

CAR CHARGER

Charger using the cigarette lightener socket of the car for charging the batteries A 300 / A 500

CODE NUMBER   82-0101-11

CODE NUMBER	85-0300-03 (A 300)	85-0500-01 (A 500)	85-1000-02 (A 1000)
VOLTAGE	16 V	16 V	58 V
CAPACITY	25 Wh	35 Wh	80 Wh
CHARGING / DISCHARGING CYCLES	up to 1000	up to 1000	up to 1000
DIMENSIONS	18 x 5 x 2.5 cm	13 x 6 x 9.5 cm	18 x 6 x 9.5 cm
WEIGHT	0.28 kg	0.6 kg	0.9 kg

CONTROL A REMOTE CONTROL UNIT
CONTROL A HotSync REMOTE CONTROL UNIT

Multi-functional control units for all Priolite flash units and
LED 400 continuous / video light.

All Priolite flash units and the LED 400 work perfectly together with the Priolite remote control units, which are attached to the hot shoe of the camera. Almost all functions of the flash unit can be controlled remotely.

On the remote control, the power of the flash unit is displayed.

By organizing into 4 teams, each with 9 units, a total of 36 units can be controlled individually. The system operates at the frequency range of 2.4 GHz, which is approved worldwide for such applications. The remote control is powered by 3 AA batteries.

HOTSYNC

Different from the Priolite standard remote control A, which can only trigger up to 1/200 second, the Priolite HotSync remote control can trigger without any further settings studio flash lights up to **1/8000** second.

The new model of Priolite remote control HotSync is available in two versions (for Canon and Nikon cameras) and is recognized by the green HotShoe.
When used with Nikon cameras the camera menu must be set to FP flash mode, for Canon cameras this is not required.

The short synchronization times can only be achieved in combination with the HotSync Priolite studio flashes as they are:
MBX 500 HotSync, MBX 1000 HotSync and M-PACK 1000 HotSync.

The new Priolite HotSync remote control HS-C/N can also be used in conjunction with standard flash units, but then only up to a sync time of 1/200 second.

SELECTION

ALL – all units of one team are changed simultanously

SINGLE – one specific unit is selected

POWER SETTING

adjust power setting in 1/10 f-stop increments

DISPLAY

shows power settings of selected units

ID-SELECTION

ID – selects a specific unit

TEAM DISPLAY

TEAM – selects one team out of team A to D

PILOT

PILOT – options for pilot light setting

Features:
• Bi-directional
• Extreme working range of 300 m
• Supports up to 4 teams
• Up to 9 units per team
• Ready indicator

The bi-directionality of the remote control ensures that the displays of the power setting are the same on the flash as on the remote control. When the power changes on the flash, this adjustment is transferred to the remote control, and vice versa.
Similarly, the readiness of all flash units is transmitted to the remote and is indicated by the green light on the test button. The Ready signal is displayed on the remote control after the slowest flash unit is recharged if multiple flash units are used in a group.

The "All" function of the remote control makes it possible to maintain the balance in light using multiple flash units and to change all the light power by a certain f-stop value symmetrically.

Example: flash A1 set to 6.3, flash units A2 is set to 8.4. Now if the All-function is selected, the display of the remote control will jump to 0.0. Now press the +/- buttons, for example to - 0.3. The new set for A1 is now 6.0, and the setting of A2 is now 8.1. This feature is perfect to try out different levels of brightness by maintaining the balance.

The right side of the remote control has two sockets. The lower socket is to be connected to the input of the sync socket of the flash.
This means that even non-Priolite flashes can be triggered. The upper socket is connected to the synchronous nipple of the camera if it does not have an active hot shoe contact. Both sockets accommodate a 3.5 mm phone jack.

CONTROL A
CODE NUMBER   80-2436-01

Canon

CONTROL A - HotSync for CANON
CODE NUMBER   80-8000-03
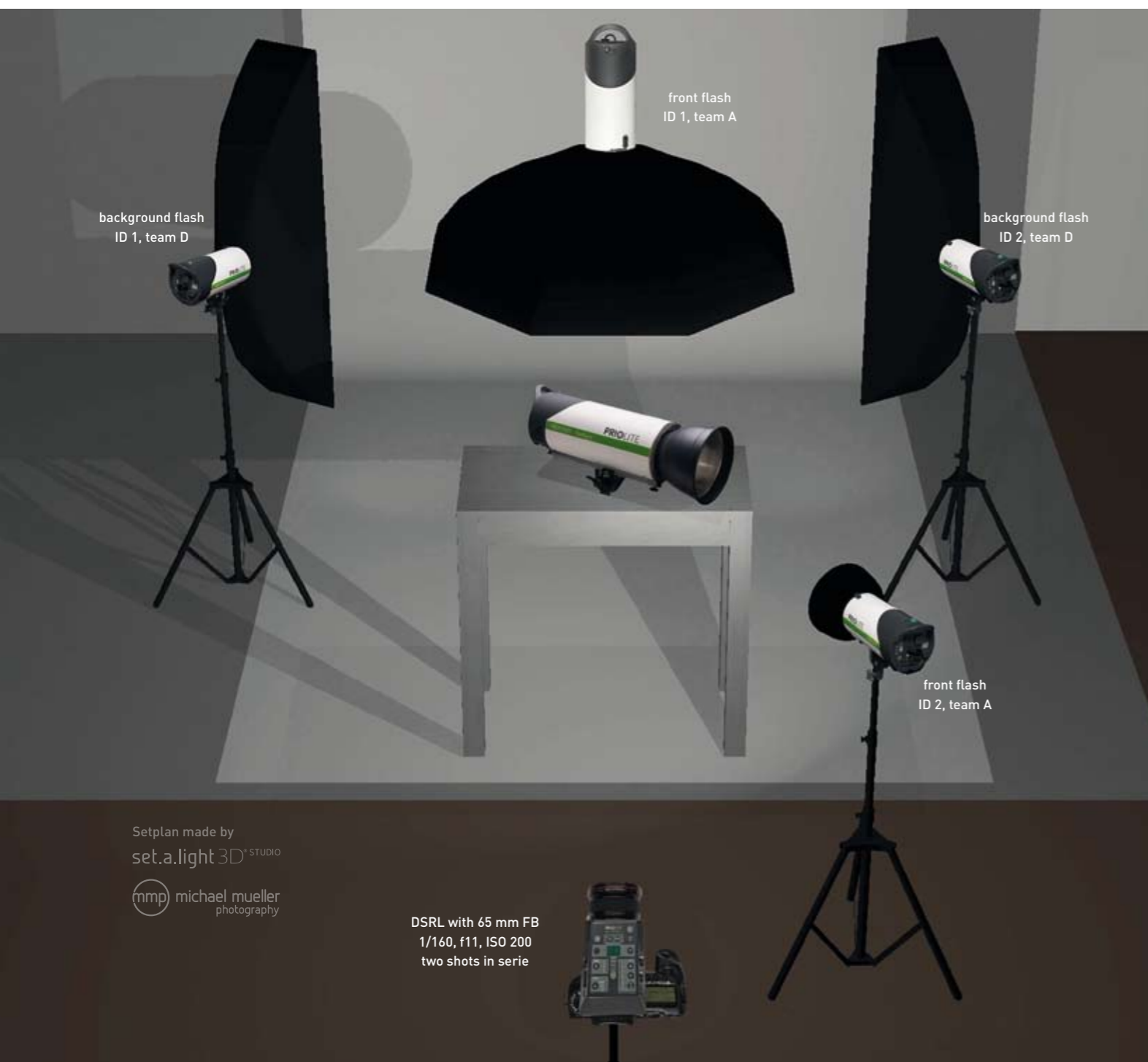
Nikon

CONTROL A - HotSync for NIKON
CODE NUMBER   80-8000-04

QUICK MASK SOFTWARE

Implemented from September 2014 on in all Priolite remotes controls
– or available as an update for older remote controls.
It works with all Priolite flash units, even with the inexpensive M 500
devices for studio operation.

background flash
ID 1, team D

front flash
ID 1, team A

background flash
ID 2, team D

front flash
ID 2, team A

Setplan made by
set.a.light 3D° STUDIO

mmp michael mueller
photography

DSRL with 65 mm FB
1/160, f11, ISO 200
two shots in serie

Priolite provides at the Photokina 2014 another innovation to mask objects for cut out the background. This software makes this work substantially easier.

It is an added functionality of the Priolite remote control. It provides two exposures for two different flash groups carried out automatically. The first exposure sets the mainlight, the second exposure provides a shade structure of the object produced by overexposure of the background. This shade structure can now be used as a mask to be combined in the software with the main image of the object. As a result the background can be cut out.
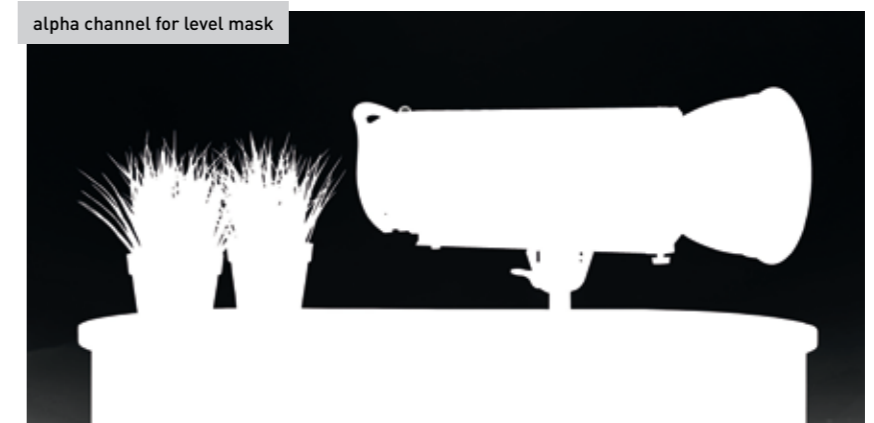
How to use is simple: The background flashes are to be set to team D, the foreground flashes can be set on any team A to C. For each team up to 9 flashes can be used.

The camera is to be set on multishot fastest speed, but limited to 2 exposures. By triggering the camera there will now be two recordings produced - one for the foreground and one by the flashes of team D for the background mask.

The technique is ideally suited for static objects. To create a pixel-precise mask it is advisable to mount the camera on a tripod and work with an external camera trigger to avoid any shock to the camera.

For people shots this technique is only partially useful because both images should be as congruent as possible. Any movement between the two shots should be avoided.

The Quick Mask software is standard delivery from September 2014 on in all Priolite remote controls. All Priolite flash units can be used for this technique.
Older remote controls can be software updated.

first image = object

second image = shadow structure

alpha channel for level mask

extracted object with replaced background

Accessories

PRIO Umbrella Reflector
Ø 13 cm / 5 inch

CODE NUMBER
51-0005-01

PRIO Reflector
Ø 18 cm / 7 inch

CODE NUMBER
30-0007-01

PRIO Reflector
Ø 23 cm / 9 inch

CODE NUMBER
30-0009-01

PRIO Wide Angle Reflektor
Ø 13 cm / 5 inch,
(recommended for use with
PRIO Giant Umbrella)
CODE NUMBER
30-0005-01

Honeycomb for Reflector
Ø 18 cm / 7 inch,
grid size 4 mm
CODE NUMBER
31-0007-40

Honeycomb for Reflector
Ø 23 cm / 9 inch,
grid size 4 mm, thickness 20 mm
CODE NUMBER
31-0009-40

Honeycomb for Beauty Dish
Ø 55 cm / 22 inch,
grid size 4 mm
CODE NUMBER
31-0022-40

PRIO Beauty Dish
Ø 55 cm / 22 inch,
inside white
CODE NUMBER
30-0022-01

PRIO Beauty Dish
Ø 55 cm / 22 inch,
inside silver
CODE NUMBER
30-0022-02

PRIO Premium Softbox
~ 75 x 100 cm,
comb as accessorie

CODE NUMBER
40-0810-02

PRIO Premium Softbox
~ 60 x 80 cm, with comb

CODE NUMBER
40-0608-01

Variation examples on the right

**PRIO Premium Octaform
Softbox**
Ø ~ 95 cm, comb as accessorie

CODE NUMBER
45-0090-02

**PRIO Premium Octaform
Softbox**
Ø ~ 120 cm, comb as accessorie

CODE NUMBER
45-0120-03

Variation examples on the right

PRIO Striplight Box
~ 150 x 35 cm,
comb as accessorie

CODE NUMBER
54-1535-02

Variation examples
on the left

PRIO Umbrella
Ø ~ 100 cm, white

CODE NUMBER
50-0100-01

PRIO Umbrella
Ø ~ 100 cm, silver

CODE NUMBER
50-0100-02

Accessories

PRIO Trolley
extra rugged, 2 wheels,
with interior separation for
2 compact devices, 2 tripods
and accessories,
dimensions 94 x 30 x 34 cm

CODE NUMBER
70-9429-01

**PRIO Tube Bag Short
for M 500, M-PACK 500,
MBX 300**
water and shock protected,
padded shoulder strap,
hight 38 cm, Ø ~ 18 cm

CODE NUMBER
70-2040-02

**PRIO Tube Bag Long
for M-PACK 1000, MBX 500**
water and shock protected,
padded shoulder strap,
hight 43 cm, Ø ~ 18 cm

CODE NUMBER
70-2045-03

**PRIO Tube Bag Extra Long
for MBX 1000**
water and shock protected,
padded shoulder strap,
hight 58 cm, Ø ~ 18 cm

CODE NUMBER
70-2050-04

PRIO Giant Umbrella
silver,
front diffuser included,
Ø ~ 185 cm

CODE NUMBER
50-0185-02

PRIO Flexlight
for mounting of softboxes, octaforms, parabolboxes etc.;
shiftable for maximum variations of light output

CODE NUMBER
65-0000-01 (without light shapers)

PRIO Tripod Strong
aluminum anodized, air
cussioned, 2 extensions,
tube diameter 35 mm,
hight max. 250 cm,
legs Ø 110 cm,
weight 2.6 kg

CODE NUMBER
60-0250-01

Perfect for fashion and people shooting, for accent lighting and emphasis on fine structures.

Kit 1
HOTSYNC STARTER

- MBX 500 HotSync battery-operated monolight
- PRIO Welcome tube bag
– CONTROL A HotSync C/N remote control
- PRIO reflector 7 inch
- charger for battery A 500, 16 V
- tilting head
- sync cable

CODE NUMBER
03-0500-23

Kit 2
BREEZE

More kits can be found in our pricelist!

- MBX 300 battery-operated monolight
- PRIO Welcome tube bag
– CONTROL A remote control
- PRIO reflector 5 inch
- PRIO standard umbrella, Ø ~ 100 cm, silver or white
- charger for battery A 300, 16 V
- tilting head
- sync cable

CODE NUMBER
03-0300-30

PRIO Grand Para 200 Umbrella
silver,
front diffuser included,
Ø ~ 200 cm, depth 90 cm

CODE NUMBER
45-0200-04

MADE IN GERMANY

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