

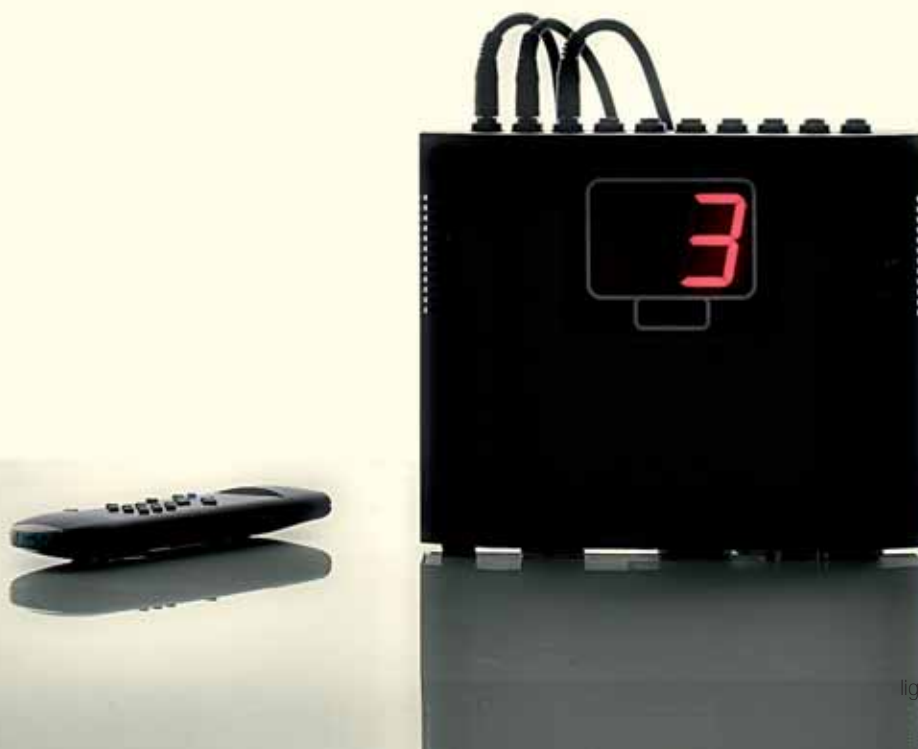


Our extremely modular background support system is reliable, simple to use and flexible enough to match most of your support needs for paper, drapable, hand-painted or canvas backgrounds, in the studio or on location. For core mounted backgrounds the system used is based on the EXPAN chain operated drive developed by Manfrotto.

The EXPAN can be mounted on dedicated hooks which vary in shape and design depending on the number of backgrounds to be used.

If, as usually happens with canvas backgrounds, there is no central core around which to wrap the background material, Manfrotto provides a three section telescopic pole that can be attached on top of a set of two stands, making it ideal for location assignments.

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Manfrotto motorised background support system composed by:

Background roll supporting spigots Single version only (1 pair for each background to be supported):

Code: 850

Control box with Infra Red remote controller 2 versions are available depending on voltage of local mains electric supply:

Code: 851 (for 110V supply)

Code: 852 (for 220V supply)

Hooks (pair)

3 versions to support 4/6/10 backgrounds:

Code: 854-4

Code: 854-6

Code: 854-10

Mains electric power cable 3 different power leads are available to fit the most common electric sockets:

Code: 850US

Code: 850EU

Code: 850UNIV

CONTROL BOX - 220V 852

Main control box power supply voltage - 230V 50Hz
(European version) with Infra Red remote controller.

Manfrotto's motorised EXPAN system is based on the well known manual EXPAN device, a fast and efficient paper background drive set designed by Manfrotto to easily and rapidly roll and unroll all types of backgrounds (using a similar technique to that used on window blinds). The 852 and 851 EXPAN background units build on the practicality of the original concept and add motorised, remote controlled practicality and ease of use to perfectly control the deployment of up to 10 backgrounds.

Controls up to 10 motors (therefore 10 backgrounds).

Operating functions controlled by included IR remote controller.

Advanced IR communication functions.

- Remote controller and control box are both programmable for operation on one of seven different channels - therefore if two control box systems are used in the same room, they can be set to different channels to avoid interference. In this case, it is not possible to control both main control boxes with one remote IR controller.
- Communication protocol IRUP - Infra Red over UPSEC Protocol.
- Advanced IR receiver is very sensitive to remote controller signal but extremely disruption-proof.
- Advanced background motor control functions.
- Each channel has independent, programmable background stop levels for max and min extension positions. Positions are remembered even after power off.
- Manual mode background positioning.
- "Overload sensor" - automatically stops motor to protect equipment in case of overloading.
- "All backgrounds up" function - automatically rolls all backgrounds with a single touch of a button.
- "Background Start-up" function for easy background positioning in manual mode.
- "Fast stop" function - stops the background immediately, also reduces motor inertia after power off.
- Advanced background rolling modes, which speed-up system operation i.e. rolling up unused backgrounds.

Integrated easy-read display (digit height 45mm) shows selected background number.

Standby mode for minimised power consumption.

Internal software upgrades possible via ordinary PC (cable and software upgrades supplied separately).

Communication follows UPSEC protocols to permit future extensions of the product (e.g. control by PC, radio, etc.).

Sound signals for easy operation.

Customisable - user can change parameters of the control box such as background working modes, sound on/off, etc.

Owing to differences in international standards, main power supply cable is not included.

Each control box has two "test" functions, which roll selected backgrounds up and down.



CONTROL BOX - 110V 851 Not illustrated

Main control box power supply voltage - 110V 50/60Hz
(Asia/US version) with Infra Red remote controller.



BACKGROUND ROLL SUPPORTING SPIGOT 850

Supplied in sets (one set = 1 passive roller and 1 active motor drive).

Heavy duty motor to allow operation of heavy backgrounds (up to 12kg) Smooth operation thanks to cardan - type clutch Equipped with hall-effect electronic position sensors, enable positioning precision down to 1/3 of a turn.

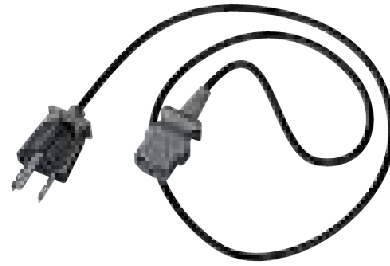
Very easy to install - just plug in jacks.

Cable to Main control Unit 1.5 meter length.



**HOLDER FOR 4 BACKGROUNDS
854-4**

Set of two universal holders for 4 backgrounds.
Can be hung from wall or ceiling.
Holders max load (depending on wall/ceiling) 100kg.
Supplied screws may not be suitable for all wall/ceiling types.



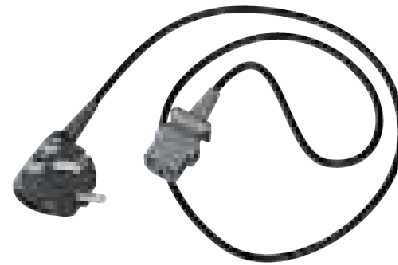
**MAIN POWER CABLE - USA
850US**

Main power cable for Control Box USA plug.
Type NEMA5-15P - 2.5mt long.



**HOLDER FOR 6 BACKGROUNDS
854-6**

Set of two universal holder for 6 backgrounds.
Can be hung from wall or ceiling.
Holders max load 140kg when holders are attached to the ceiling,
70kg if attached to the wall.
Supplied screws may not be suitable for all wall/ceiling types.



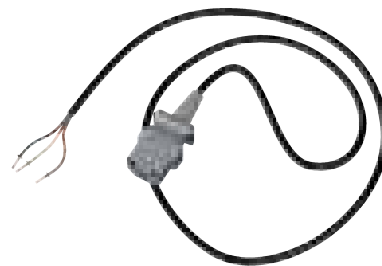
**MAIN POWER CABLE - EUROPEAN
850EU**

Main power cable for Control Box European plug.
Type CEE7-Y11 - 2.5mt long.



**HOLDER FOR 10 BACKGROUNDS
854-10**

Set of two universal holder for 10 backgrounds.
Can be hung from wall or ceiling.
Holders max load 180kg (depending on wall/ceiling).
Supplied screws may not be suitable for all wall/ceiling types.



**MAIN POWER CABLE
850UNIV**

Main power cable for Control WITHOUT PLUG.
- 2.5mt long.

**MOTORISED EXPAN 220V WITH HOLDER
FOR 4 BACKGROUNDS 852K-4** Not illustrated

Composed by 852 + 854-4 + 850EU and four 850.

**MOTORISED EXPAN 110V WITH HOLDER
FOR 4 BACKGROUNDS 851K-4** Not illustrated

Composed by 851 + 854-4 + 850EU and four 850.

The Manfrotto background support system is based on the Expan, a fast and efficient background drive set. Insert the EXPAN into the background roll, block and use the chain to roll the paper up and down as you wish.

A system of hooks is available in pairs and can support 1, 3 or 6 backgrounds when used in conjunction with the Expan.

B/P Hooks can be attached to Autopole by using the Super Clamp code 035 or screwed directly onto a wall or ceiling.



EXPAN 046



1,2kg



10kg

Background paper drive set for one roll. Including plastic chain and weight.
Expands from: Ø 46mm to 78mm.

EXPAN WITH METAL CHAIN 046MC Not illustrated

Same as 046 with metal chain.





B/P TRIPLE HOOKS 045



2,05kg

Set of two background paper holders for three Expan 046. Can be fixed to a wall with supplied studs and screws, or to Super Clamp 035 by means of supplied screw set.



B/P HOOKS 045-6



4,4kg

Set of two brackets for six Expan 046 sets. To be fixed to a wall with supplied screws.



B/P CLAMPS 044



2,85kg

Same as 045 but ready for use on Autopoles® including two Super Clamp 035.



B/P SINGLE HOOKS 059WM



0,54kg

Wall fixing background paper holder set for one Expan 046. Complete with screw set.



B/P SINGLE HOOKS 059



0,42kg

Set of two wall fixing background paper holders for one Expan 046. Plugs into Super Clamp 035 socket.



MINI SINGLE HOOKS 177



0,125kg

Set of two hooks for Expan 046 background paper holder to fit on Mini Clamp 171.



EXPAN CHAIN - 1M LONG, GREY 091G

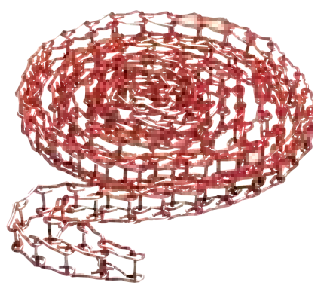


0,06kg

1m extra chain for Expan 046 to extend the standard one.
Available also in the following colours:
Red - code 091R;
Black - code 091B.

EXPAN CHAIN - 3M LONG, GREY 091FLG Not illustrated

3m extra chain for Expan 046.
Available also in the following colours:
Red - code 091FLR;
Black - code 091FLB.



EXPAN RED METALLIC CHAIN 091MCR



0,6kg

Can replace plastic chain on Expan 046.
Total length: 3.5m.
Available also in the following colours:
Grey - code 091MCG;
Black - code 091MCB.



CHAIN WEIGHT 094



0,3kg

Provides weight to keep Expan chain tight.



B/P COUNTERWEIGHT 062-2



0,85kg

Counterweight for background paper in 2 sections.
Length: 275cm.



ALU-CORE 047-2



1,28kg

Aluminium core in 2 sections Ø: 50mm for uncored back round paper.
Has adhesive tape for sticking on paper. Length: 275cm.

ALU-CORE 047-3 Not illustrated

Same as 047-2 but longer. Length: 366cm.



SET STANDS KIT 314B



4,2kg



10kg*

Designed to support rolls or sheets of background paper or any other background material.

The kit comprises of:

1 x 3 Section Telescopic Pole Art. 272,

2 x Baby Stand Art. 052,

2 x Mini Spring Clamp Art.275 and Transport Kit Bag.

* distributed on background roll

TELESCOPIC POLE 272B Not illustrated

3 section telescopic background pole on it's own.

Minimum extension: 112cm.

Maximum extension: 298cm.

Weight: 0.25kg.

Attachments: type 25.