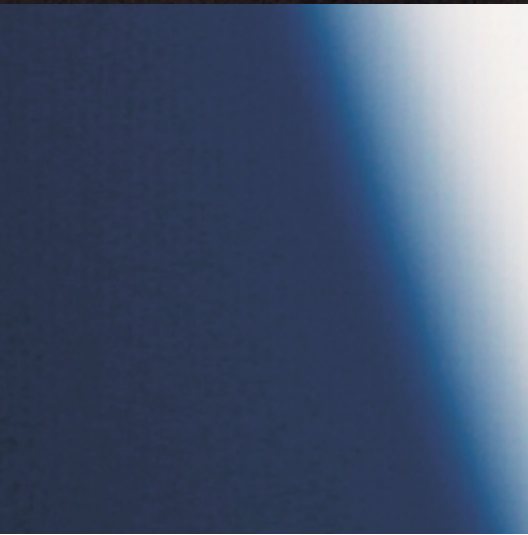
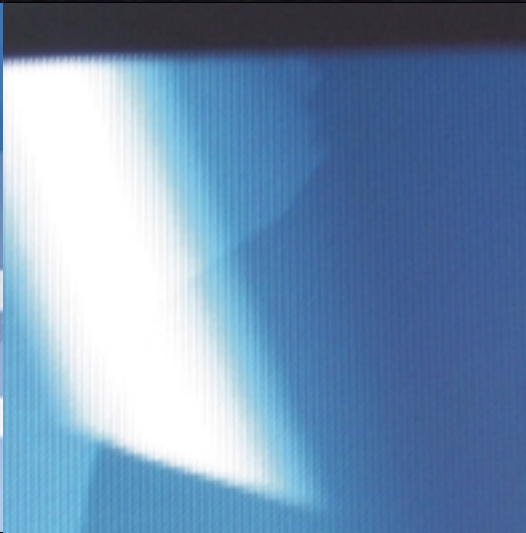




Manfrotto

VIDEO REMOTE CONTROLLERS

2004/05





Our video camera remote control units put the essential commands of market-leading video cameras from Sony, Canon and Panasonic at your fingertips when using a tripod and video head, a jib arm or crane, or any other kind of camera support. The range is divided not only by camera compatibility (due to different use of device protocols by manufacturers, each model has to be designed around specific makes or models of camera), but also by mounting type. The 522 and 523 series have built in video head pan bars making them most suitable for use in classic tripod/head setups, while the 521 models are built onto clamps free to be attached to pan bars, tubes, pipes, table tops, steering wheels, handlebars, hang-gliders or even to be hand held for ultimate freedom in control. Pan bar mounted versions offer the advantage of allowing you to operate both camera movement and many recording/zoom controls with the same hand, letting you take care of creative decisions rather than having to worry about how to reach the camera buttons, follow the subject and keep movements smooth all at the same time. Clamp versions reduce the number of buttons and controls to the bare minimum, but where you use them is limited only by your imagination.

		Remote control					
		523PRO	522** 522A**	522P	521	521P	521PRO
Camcorder	SONY						
	DSR-PDX10	x	x		x		x
	DSR-PD170	x	x		x		x
	DSR-PD150	x	x		x		x
	DSR-250	x	x		x		x
	DSR-200	x	x		x		x
	DCR-VX2100	x	x		x		x
	DCR-VX2000	x	x		x		x
	DCR-VX1000	***	x		x		***
	DCR-TRV950	x	x		x		x
	DCR-PC330	x	x		x		x
	CANON						
	XM-1	x			x		x
	GL-1	x			x		x
	XM-2	x			x		x
	GL-2	x			x		x
	XL1	***			x		***
	XL1s	***			x		***
	XL2	***			x		***
	PANASONIC						
AG-DVX 100E			x		x		
AG-DVX 100A			x		x		
AG-DVC 80			x		x		
AG-DVC 30			x		x		

** All Sony Cameras and Canon XL1 and XL1s have limited functionality with the controllers *** no PAF - no Push Auto Focus function

REMOTE CONTROL PRO FOR SONY/CANON 523PRO

The 523PRO remote control works with both Sony and Canon LANC-enabled video cameras. The remote control features a record/stop button, a power on/standby button, three different zoom speed control buttons (slow, medium and fast) and a push auto focus button. The zoom wheel can be used to control one of the three preset, maximum zoom speeds or a customisable maximum speed which you can set to exactly the level you want. For all zoom speeds except the slowest preset speed, you can choose between progressive zoom speed (the further you rotate the zoom wheel, the faster the zoom) or fixed zoom speed (irrespective of the rotation applied to the wheel, zoom speed remains constant) by pressing the button once (progressive) or twice (fixed). The LED shows you which speed you have selected. To set a "custom" zoom speed, simply hold the zoom speed button until the LED flashes and use the wheel to set your speed. The setting remains in the unit's memory until you decide to change it. Whether you choose a limited progressive zoom range or a single fixed speed, the features of the 523PRO mean you can easily repeat zooms precisely in subsequent takes of the same shot. The 523PRO also allows you to set left- and right-handed operation by changing zoom wheel direction. The push auto focus button makes it very easy to achieve in focus images when working in manual focus mode. You can also use the manual focus in and out buttons and change the focus direction. 523PRO does not come with any parts to fit to the head, but instead utilizes the pan bar clamp that comes with all Manfrotto heads.

The 523 is the only semi-professional video remote system available on the market today that uses a professional-type "wheel" zoom for finer adjustment and smoother progressions



Zoom wheel direction and focus direction can be inverted (left – right or right – left)



Telescopic pan bar allows you to choose the most comfortable working position



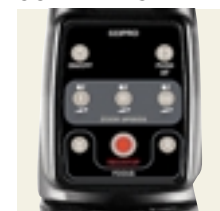
Only system with jack connector rather than built-in cable means the camera cable can be easily substituted



Incorporation of the remote controller with the video head pan bar ensures sturdy attachment and eliminates mechanical problems



COMMANDS



- POWER ON/STANDBY**
- PUSH AUTO FOCUS**
- ZOOM SET SPEED 1**
F=fixed speed zoom
P=progressive speed zoom
- ZOOM PRESET SPEED 2**
F=fixed speed zoom
P=progressive speed zoom
- ZOOM PRESET SPEED 3**
F=fixed speed zoom
P=progressive speed zoom
- REC/STOP**
- FOCUS IN**
- FOCUS OUT**
- WHEEL ZOOM**

Video remote control

REMOTE CONTROL FOR SONY 522

The 522 allows you to remotely control the most commonly used functions of your video camera while keeping your hand on the pan bar at all times for greater control over framing and camera movement. The functions depending on camera models and brand (SONY/CANON) can include switching between on and standby mode, starting and stopping recording, zooming in and out (using a professional variable speed zoom wheel for finer control), manual focusing or switching to auto focus, accounting for backlit subjects, fading in or out, record search and taking a still photograph. The 522 also allows you to switch between left – right and right – left zoom, especially useful for left-handed Videographers. It has an LED power indicator and comes supplied with a 90cm long camera connection cable that plugs into the remote controller (which allows you to change the cable quickly and economically should it become damaged) and video camera LANC socket via a 2.5mm stereo jack. The 522 system is built in on a standard pan bar and comes with all parts necessary for quick and easy fitting (without tools) to any of Manfrotto's professional video head. 522 does not come with any parts to fit to the head, but instead utilizes the pan bar clamp that comes with all Manfrotto heads.

REMOTE CONTROL FOR SONY 522A

Same features as the 522, with a pan bar and fitting suitable for Manfrotto video head models 700RC2 and 701RC2.

The 522 is the only semi-professional video remote system available on the market today that uses a professional-type "wheel" zoom for finer adjustment and smoother progressions



Zoom wheel direction can be inverted (left – right or right – left)



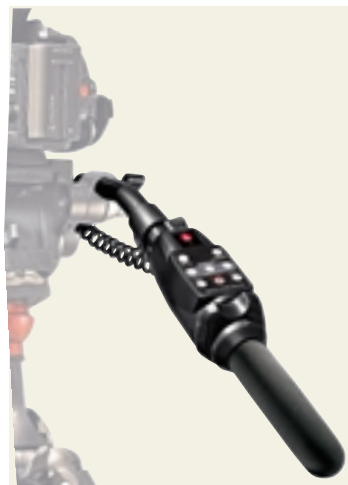
Telescopic pan bar allows you to choose the most comfortable working position



Only system with jack connector rather than built-in cable means the camera cable can be easily substituted



Incorporation of the remote controller with the video head pan bar ensures sturdy attachment and eliminates mechanical problems



COMMANDS



POWER ON/OFF
FOCUS + -
FOCUS MANUAL/AUTO
Switches auto-manual focus
FADER
WHEEL ZOOM
BACK LIGHT
PHOTO
REC/STOP

REMOTE CONTROL FOR PANASONIC 522P

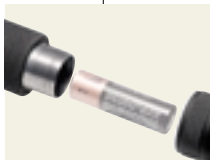
The 522P is a dual circuit, progressive zoom remote control unit for the Panasonic AG-DVC-30, AG-DVC80 and AG-DVX100A. Built into a video head pan bar suitable for Manfrotto models 501, 503, 516, 519 and 316. The dual circuit allows you to choose between a zero power consumption "analog" mode for basic functions (record/stop and progressive min-max zoom via a professional zoom wheel) and a 3 AA (1.5 volt) battery-powered, advanced, customisable "digital" mode. The digital mode gives you the record/stop function, and the zoom wheel can be used to control one of three preset maximum zoom speeds or a customisable maximum speed which you can set to exactly the level you want. The "custom" zoom speed setting remains in the unit's memory even when batteries run down, until you decide to change it. In addition, for all options except the slowest preset speed, you can choose between progressive zoom speed (the further you rotate the zoom wheel, the faster the zoom) and fixed zoom speed (irrespective of the rotation applied to the wheel, zoom speed remains constant) by pressing the button once (progressive) or twice (fixed). An LED shows you which speed you have selected. The 522P also allows you to set left- or right handed operation by changing zoom wheel direction. 522P does not come with any parts to fit to the head, but instead utilizes the pan bar clamp that comes with all Manfrotto heads.

Only control unit on the market that not only has the standard basic "Analog" mode, but also a full-featured "Digital" mode with 3 zoom speed presets, a fourth "personal" speed setting, and progressive or fixed speed zooming

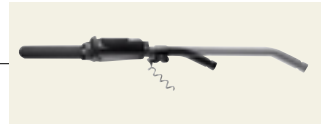
Professional zoom wheel with excellent build quality gives finer control over progressive zoom speeds



Zoom wheel direction can be inverted (left - right or right - left)



Battery compartment located in handle of pan bar. Batteries not included



522P is mounted on a telescopic video head pan bar for sturdy attachment, comfortable positioning and fingertip control



Only system with jack connector instead of built-in cable, so it can easily be substituted, lengthened or shortened.



Incorporation of the remote controller with the video head pan bar ensures sturdy attachment and eliminates mechanical problems



COMMANDS



MINIMUM ZOOM SPEED
preset, fixed speed only
MEDIUM ZOOM SPEED
preset, fixed or progressive speed
MAXIMUM ZOOM SPEED
preset, fixed speed only
DIGITAL MODE
Switch to digital mode for access to advanced zoom functions
REC/STOP
ANALOG MODE
Switch back to Analog mode to save battery life
CUSTOM
Customisable zoom speed, fixed or progressive speed
WHEEL ZOOM

Video remote control

BASIC REMOTE CONTROL FOR SONY & CANON 521

Built onto a small clamp that suits a wide range of applications, the 521 uses the LANC protocol adopted by Sony and Canon Mini DV, and Hi8 cameras. Controls Power On/Standby, Record/Stop function, zoom in and out and focus in and out. Zoom wheel direction can be reversed. Supplied with 522SCA connector coiled cord cable measuring 25cm (extendable to 50cm) long.

BASIC REMOTE CONTROL FOR PANASONIC 521P

Built onto a small clamp that suits a wide range of applications, the 521P is designed to work with Panasonic cameras AG-DVC-30, AG-DVC80 and AG-DVX100A and controls Record/Stop and zoom in/out functions of the camera. Supplied with 522SCA connector cable measuring 25cm (extendable to 50cm) long.

BASIC PRO REMOTE CONTROL FOR SONY & CANON 521PRO

Built onto a small clamp that suits a wide range of applications, the 521PRO is the top of the range of this compact remote control. It uses the LANC protocol adopted by Sony and Canon Mini DV, and Hi8 cameras. Supplied with 522SCA connector coiled cord cable measuring 25cm (extendable to 50cm)



JACK CONNECTOR
2.5 mm jack connector instead of built-in cable means you can easily change the length of the camera cable for different set-up requirements

WHEEL ZOOM
Professional "wheel" zoom for finer adjustments and smoother progressions



INVERTIBLE ZOOM DIRECTION
(not 521P) Zoom in/out direction can be inverted (left to right, or right to left)

Only on 521PRO: invertible focus direction



CLAMP RANGE
Square tube of flat surfaces:
5mm – 30mm height



CLAMP RANGE
Rectangular tube of flat surfaces:
5mm – 30mm height



CLAMP RANGE
Round tube/pipe/bar: 12mm to 35mm diameter



COMMANDS 521



POWER ON/OFF
FOCUS IN
REC/STOP
FOCUS OUT
WHEEL ZOOM

COMMANDS 521P



REC/STOP
WHEEL ZOOM

COMMANDS 521 PRO



POWER ON/OFF
ZOOM SPEED BUTTON
REC/STOP
PUSH AUTO FOCUS
WHEEL ZOOM
FOCUS IN/OUT

Video remote control accessories

REMOTE PAN BAR ADAPTER

It seemed too much of a shame to keep this to ourselves, so we've also made available a pan bar adapter kit that connects the Manfrotto remote control to video heads from other manufactures:



SUPPLEMENTARY ADAPTER CODE FOR SONY AND CANON

SUPPLEMENTARY ADAPTER CODE FOR SONY AND CANON	BAR DIAMETER
522PB 12	12mm
522PB 13	13mm
522PB 14	14mm
522PB 16	16mm
522PB 18	18mm
522PB 22	22mm
522PB 25	25mm
522PB 30	30mm

SUPPLEMENTARY ADAPTER CODE FOR PANASONIC

SUPPLEMENTARY ADAPTER CODE FOR PANASONIC	BAR DIAMETER
522PB 12P	12mm
522PB 13P	13mm
522PB 14P	14mm
522PB 16P	16mm
522PB 18P	18mm
522PB 22P	22mm

OPTIONAL CABLES

The following cables of different length are available as accessories:



REMOTE CONTROL CABLE STANDARD 522SCA

2.5mm male/male jack coiled cord cable measuring 25cm extendable to 50cm supplied as standard with all the units.

REMOTE CONTROL CABLE EXTENSION 522EXTC

2.5mm male/female jack and plug, straight cable, measuring 90cm in length can be fitted to all units.

REMOTE CONTROL CABLE SUPER EXTENSION 522EXTC30

2.5mm male/female jack and plug, straight cable, measuring 30meters in length can be fitted to all units.

RAIN COVER FOR REMOTE CONTROL 523RC

Waterproof cover for Manfrotto remote control series 522 and 523 supplied with a crystal clear vinyl panel to allow to view the remote control button during the shooting session. The cover slips quickly over the remote pan bar to protect it from rain or sudden showers.