

# MINOLTA 2X TELE CONVERTER 200-L

Your Minolta 2X Tele Converter 200-L is a sophisticated optical accessory designed for use with lenses of 200mm focal length or longer. When attached between one of these telephotos and a camera body, the 2X Converter doubles the effective focal length while retaining lens' sharpness. It can also be used with focal lengths down to 85mm.

## NAMES OF PARTS

Meter-coupling pin

Mounting index dot

Lens release

Mounting bead



## ATTACHING

Attach the converter to the camera by aligning the red mounting indexes on the converter and camera body, inserting the bayonet into the socket, and turning the converter clockwise until it locks with a click.

Removal is accomplished by pushing the lens-release button, turning the converter counterclockwise until the red indexes are aligned again, and lifting it out of the socket.

The same procedures are used in connecting and separating the 2X Tele Converter and the lens.

## USING THE CONVERTER

Attached between a lens and a camera body, the 2X Tele Converter 200-L doubles the focal length of the lens in use. It also decreases the indicated f-number settings by 2 stops. For example, when it is used with the 400mm f/5.6 MD Apo Tele Rokkor, the focal length of the lens and converter combination is 800mm and the maximum aperture is f/11. The marked aperture figures "5.6," "8," "11," "16," "22," and "32" thus indicate f-numbers of 11, 16, 22, 32, 45, and 64, respectively at 800mm focal length. Though no exposure compensation is necessary with through-the-lens-metering cameras, it must be suitably adjusted with others.

When this converter is attached between a lens and a camera body, the depth of field will become approximately half of the value indicated by depth-of-field scale on the lens barrel. Thus more attention to focusing may be necessary.

The 2X Tele Converter is designed for optimum image quality used with Rokkor(-X) telephotos of 200mm or greater focal length. It may, however, be used with Minolta lenses down to 85mm focal length when their apertures are closed down one or two stops. The lists below indicate lenses usable with the 2X Tele Converter. It should not be used with other

lens.

### ROKKOR TELEPHOTOS USABLE AT ALL APERTURES

MD/MC	Tele Rokkor(-X)	200mm f/4
MD/MC	Tele Rokkor(-X)	300mm f/4.5
MD/MC	Tele Rokkor(-X)	300mm f/5.6
MD/MC	APO Tele Rokkor(-X)	400mm f/5.6
	RF Rokkor(-X)	500mm f/8
MD	APO Tele Rokkor(-X)	600mm f/6.3
	RF Rokkor(-X)	800mm f/8
	RF Rokkor(-X)	1600mm f/11
MD	Zoom Rokkor(-X)	75-200mm f/4.5

\* As operating range of the 2X Tele Converter's diaphragm-control coupler is 6 stops from full aperture, the 85mm f/1.7 lens' f/22 minimum aperture cannot be used.

### CAUTION

- Do not use the 2X Tele Converter with the 24-50mm f/4, 35-70mm f/3.5, 40-80mm f/2.8, or 80-200mm f/4.5 Zoom Rokkor lenses as this may damage the lens.
- When the 2X Tele Converter is attached between an MD Rokkor(-X) lens and a Minolta XD-7 (XD-11), the camera can be used in either "A" (aperture-priority) or "M" (manual) mode. It cannot be used in "S" (shutter-priority) mode.

### SPECIFICATIONS

- Type: Coupled optical tele converter for use between camera body and lens
- Construction: 5 elements in 3 groups
- Coupling: Mechanical for metering and auto diaphragm operation with Minolta cameras and meter-coupled lenses
- Dimensions and weight:  $\phi 64 \times 52.5\text{mm}$  (2-1/2 x 2-1/16 in.), 260g (9-3/16 oz.)

Specifications subject to change without notice

### CARE AND STORAGE

Clean by whisking loose matter off lens surfaces with a bellows lens brush and then wipe them with a soft, clean cloth if necessary.

Store away from heat, high humidity, and harmful chemicals and vapors. Always keep the lens capped and in its case when not in use.

### ROKKOR LENSES THAT SHOULD BE CLOSED DOWN 1 OR 2 STOPS FOR USE

MD/MC	Tele Rokkor(-X)	85mm f/1.7*
	Varisoft Rokkor(-X)	85mm f/2.8
MD/MC	Tele Rokkor(-X)	100mm f/2.5
MD/MC	Macro Tele Rokkor(-X)	100mm f/3.5
MD/MC	Tele Rokkor(-X)	135mm f/2.8
MD/MC	Tele Rokkor(-X)	135mm f/3.5
MD	Zoom Rokkor(-X)	50-135mm f/3.5
MD/MC	Zoom Rokkor(-X)	100-200mm f/5.6
MD/MC	Zoom Rokkor(-X)	100-500mm f/8

**Minolta**

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