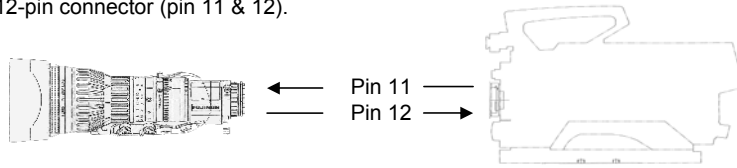


# SERIAL DATA COMMUNICATION BETWEEN CAMERA AND FUJINON BROADCAST LENSES

Certain cameras with serial digital interface provide serial data communication between camera and lens via the 12-pin connector (pin 11 & 12).



This may include (depending on the properties of the individual camera):

From lens to camera: Position of iris, zoom, focus, extender, RET and VTR lens type and location of exit pupil.  
**(The S/N of individual lenses can not be identified!)**

From camera to lens: Zoom, Iris and Focus (either w/ -RD/-ZD-lens or FSP-13G) can be controlled from camera.

The serial data communication generally is supported by all Fujinon digital broadcast lenses as follows:

Digital ENG-lenses excl. A22x7.8

REVISION-LABEL\* ' 1C ' OR HIGHER: —————> RM-M28 RD-S28 ZM-N28 ZD-T28

ALL REVISION-LABELS\*: —————> RM-M48 RD-S48 ZM-N48 ZD-T48

A22x7.8 only:

REVISION-LABEL\* ' 1C ' OR HIGHER: —————> RM-M28 RD-S28 ZM-N28 ZD-T28

ALL REVISION-LABELS\*: —————> RM-M28B RD-S28B ZM-N28B ZD-T28B  
and RM-M48 RD-S48 ZM-N48 ZD-T48

(\* Sequence of revision-labels: A, B, ..., M, ..., W, Y, followed by 1A, 1B, ..., 2A, 2B, ..., certain labels, i.e. X or Z, may not exist.)

## **Important!**

**Lenses with earlier labels do not match the serial digital communication!**

**Enabling serial digital communication on non-matching equipment may cause malfunction or damage to lens and/or camera, for which Fujinon assumes no responsibilities!**

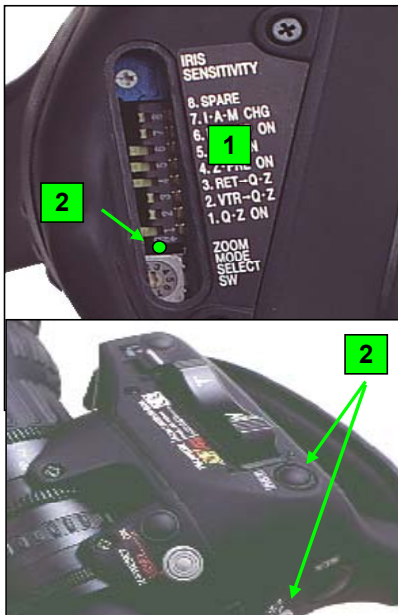
As currently the **majority of cameras** in the market still **do not provide** or require serial data communication, this function is **disabled upon delivery** of the lenses.

If the camera does provide analog control of lens functions (e.g. zoom or focus) via pins 11 & 12, it is essential to disable the serial data communication between lens and camera to prevent a possible malfunction or damage to lens and/or camera!

# SERIAL DATA COMMUNICATION BETWEEN CAMERA AND FUJINON BROADCAST LENSES

## 1.) Enabling-Procedure:

(Lens is connected to camera, camera power is switched on)



- 1** Set dip-switches to the following positions:  
8=OFF; 7=OFF; 6=OFF; 5=OFF; **4=ON**; 3=OFF; 2=ON; 1=ON
- 2** Press QuickZoom and Return-switch simultaneously and hold until LED next to zoom-mode-select switch comes on, approximately 6 seconds.
- 3** Turn camera power off.

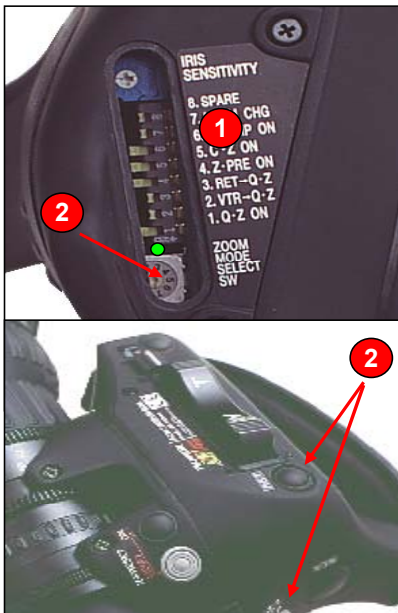
**Serial data communication is now enabled unless actively disabled!**

After having completed this procedure, the dipswitches return to their primary function and may be re-set according to the individual functions desired.

**Note:** Green LED stays on only during initial enabling procedure. Once lens is disconnected from power after finishing this procedure, LED will not come on again, though serial data communication remains enabled.

## 2.) Disabling-Procedure:

(Lens is connected to camera, camera power is switched on)



- 1** Set dip-switches to the following positions:  
8=OFF; 7=OFF; 6=OFF; 5=OFF; **4=OFF**; 3=OFF; 2=ON; 1=ON
- 2** Press QuickZoom- and Return-switch simultaneously and hold until LED next to zoom-mode-select switch comes on again, approximately 6 seconds, confirming disabled serial communication.
- 3** Turn camera power off.

**Serial data communication is now disabled unless activated again!**

After having completed this procedure, all switches return to their primary function and may be re-set according to the individual functions desired.

**Note:** Green LED stays on only during initial disabling procedure. Once lens is disconnected from power after finishing this procedure, LED will not come on again, though serial data communication switch remains disabled.