RU-Z3 Operation Guide

This Operation Guide relates only to the functions peculiar to the RU-Z3.   Please refer to the RU-Z2 base station operation manual regarding basic operation.

General

The RU-Z3 base station is provided with a D1 serial output to enable transmitting high quality digital component signals via a single coaxial cable. The added EDH (error detection and handling) function can be used for transmission error detection at the receiver.
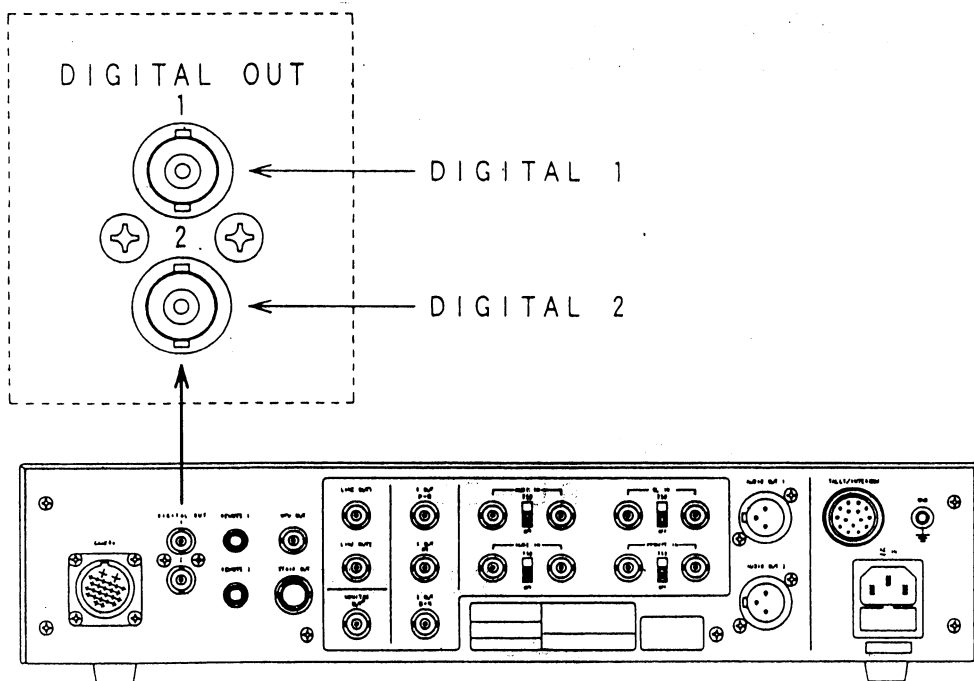
1.   Specifications

10 bit 4:2:2 component serial digital interface (D1) designed for SMPTE 259M standards.
Error detection and handling (EDH) based upon SMPTE RP165 standards.
Two 75 Ω BNC outputs.

Rear panel

2. Note when using

2.1 Initial setting

Be sure to set the camera output signal to the RGB mode. Other signal modes will not yield a normal picture.

Use either of the following settings for RU-Z3 + Z-3000 series.

(1) RC-Z2A/RC-Z21A: At the Function Special Set System menu, set the mode to Video (VTR) RGB.

(2) RC-Z2A/RC-Z21A: Set the Control switch to off to produce the local mode. At the camera Function Special Set System menu, set the mode to Video (VTR) RGB.

Use the following setting for the RU-Z3 + Z-2000 series.

RC-Z2A/RC-Z21A: Set the Control switch to off to produce the local mode. At the camera Function Special Set System menu, set the mode to Video (VTR) RGB.

2.2 D1 output level adjustment

When the cable length is changed, the Cable Length switch alone may not properly adjust the D1 signal level. In this event, fine adjust the RGB gain as described below.

(1) Take out 4 screws and remove the RU-Z3 top cover.

(2) While observing with a vectorscope, adjust the D1 unit R, G and B gain controls to position the color vectors within the reference areas.

(3) Turn the B Gain control clockwise to increase and counter-clockwise to decrease the blue channel gain. Similarly, adjust the R Gain and G Gain controls to adjust the red and green channel gain.

(4) After adjusting, securely attach the top cover with 4 screws.

RU-Z3

D1 UNIT

RV102 R GAIN

RV103 R GAIN

RV101 G GAIN