User's Manual

DL7440/DL7480 Digital Oscilloscope Serial Bus Signal Analysis Function
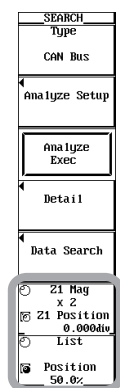### (I2C/CAN/SPI Bus Signal Analysis Function)

Notice of Alterations

Please make the following alterations to the User's Manual IM701450-51E.

Add the function for setting the display position of the head of the frame
(DL7400 firmware version 2.40 or later.)

When displaying the analysis data list (detail analysis list), the display position of the head of the frame can now be set.

■ Page 2-21   Add the following steps between steps 15 and 16.

15-1. Press the **List/Position** soft key to set the jog shuttle control to Position.

15-2. Turn the **jog shuttle** to set the display position of the head of the frame in the range of 0 to 50%.
The left edge and the center of the waveform display area are 0% and 50%, respectively.

■ Page 2-30 Add the following explanation.

Selecting the Frame (List)

Frame number 0 is automatically highlighted immediately after executing the analysis in the analysis results list. The waveform of the highlighted frame is displayed in the zoom box. Turn the jog shuttle to highlight an arbitrary frame.

Display Position of the Head of the Frame (Position)

The display position of the head of the selected frame moves horizontally.

Selectable range: 0 to 50% (The left edge and the center of the waveform display area are 0% and 50%, respectively.)

Add the function that simultaneously displays the detail list of the analysis data and the zoom waveform of the frame
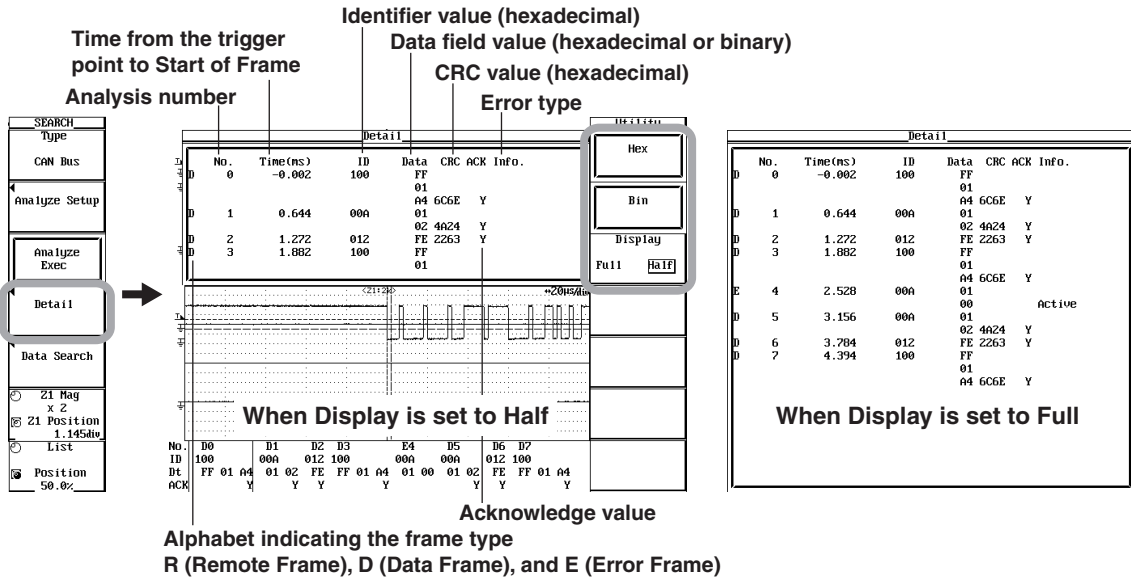
(DL7400 firmware version 2.40 or later.)

When displaying the detail list of the analysis data (detail analysis list), the zoom waveform of the highlighted (selected) frame in the list can now be displayed.

■ **Page 2-22 Add the following steps between steps 20 and 21.**

20-1. Press the Display soft key to set the size of the Detail dialog box to Full or Half.

If you select Half, the size of the Detail dialog box decreases to half of its original size allowing you to view the zoom waveform of the highlighted (selected) frame.

Identifier value (hexadecimal)
Data field value (hexadecimal or binary)
CRC value (hexadecimal)
Error type
Time from the trigger point to Start of Frame
Analysis number

When Display is set to Half

When Display is set to Full

Acknowledge value

Alphabet indicating the frame type
R (Remote Frame), D (Data Frame), and E (Error Frame)

■ **Page 2-31 Add the following explanation.**

Selecting the Size of the Detail Analysis Results List (Display)
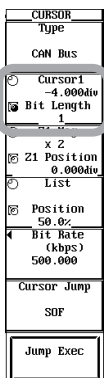
You can select whether to set the size of the display frame (Detail dialog box) of the detailed analysis results list to full screen or half screen.

Add the function that changes the spacing between Cursor 1 and Cursor 2 at the bit level

(DL7400 firmware version 2.40 or later.)

The spacing between Cursor 1 and Cursor 2 can now be changed at the bit level.

■ **Page 2-36 Change steps 8 and 9 and add the following steps between them.**

8. Select the **Cursor1/Bit Length** soft key to set the jog shuttle control to Bit Length.

8-1. Turn the **jog shuttle** to set the spacing between Cursor1 and Cursor2 (Bit Length).

8-2. Select the **Cursor1/Bit Length** soft key to set the jog shuttle control to Cursor1.

9. Turn the **jog shuttle** to move Cursor1. Cursor1 and Cursor2 move at the bit time resolution while maintaining the spacing between them.

■ **Page 2-37 Add the following explanation.**

Spacing between Cursor1 and Cursor2 (Bit Length)

You can change the spacing between Cursor1 and Cursor2.

Selectable range: 1 to 1000 bits