

Please make the following alterations to the *Communication Interface User's Manual*, IM DLM6054-17EN(CD-ROM)

■ The following commands are supported by firmware version 1.27 or later.

:WAVEform:ALL:SEND? (firmware version 1.27 or later)

Function Queries the waveform data specified by :WAVEform:ALL:TRACe.

Syntax :WAVEform:ALL:SEND? {<NRf>}

<NRf> = 0 to (acquisition count)

Example :WAVEFORM:ALL:SEND? -> #800007558

```
03 00 85 00 00 00 00 00 00 00 00 00 00 00 00 E2 04
00 00 00 00 00 00 00 E2 04 00 00 62 00 AC 11 44 00
6C 00 26 00 08 00 3C 18 3E 18 4E 18 0A 18 18 18 ...
```

Description • You can query waveform data being measured.

- You cannot perform a query if the remote mode is Single or N Single.
- You cannot query the logic waveform data.
- The data formats are as follows.

#8 (8-digit no. of bytes)	<- block data header
(no. of traces [2 bytes]) (acquisition count [8 bytes])	<- common information
(trace number [4 bytes]) (reserved area [8 bytes]) (no. of data points [4 bytes]) (data column[TW2]) ...	<- trace information 1
(trace number [4 bytes]) (reserved area [8 bytes]) (no. of data points [4 bytes]) (data column) ...	<- trace information 2
.....	(for the number of traces)

- The byte order for common and trace information is little Endian.
- The format for data columns is WORD only, and the byte order is little Endian..
- A record length of up to 125 kPoints can be queried.
- The most recent waveform data can be acquired by specifying 0 for <NRf> (acquisition count).
- To ensure that no duplicate waveforms are acquired, specify the "Acquisition Count" from the previous common information (above) for <NRf>. If the specified value is the same as the acquisition count on the main unit at the time of the query, #800000000 is returned.

:WAVEform:ALL:TRACe (firmware version 1.27 or later)

Function Sets or queries the source waveforms for :WAVEform:ALL:SEND?.

Syntax :WAVEform:ALL:TRACe {ALL|<NRf>|MATH<x>}

:WAVEform:ALL:TRACe?

<NRf> = 1 to 4

<x> of MATH<x> = 1 to 4

Example :WAVEFORM:ALL:TRACE 1

:WAVEFORM:ALL:TRACE? -> :WAVEFORM:ALL:TRACE 1

■ Please note the following changes.

Page 6-2 "Writing/Reading from Registers"

The *ESE command is used to set the bits in the standard event enable register to 1's or 0's.

The *ESE? command is used to query whether the bits in the standard event enable register are 1's or 0's. For details regarding these commands, see chapter 5.