



DME Remote Control Protocol Specifications

Ver. 3.1 2nd edition

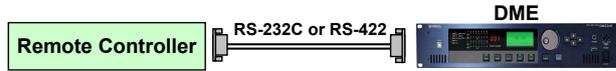
* This protocol document relates to the DME64N, DME24N, and DME Satellite with DME firmware V1.2 or later.



1. Setup

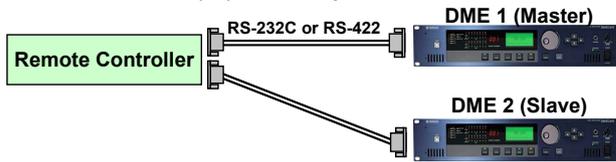
1.1 Connection

To control one DME

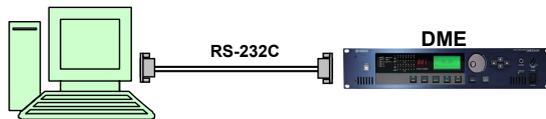


To control multiple DMEs

Multiple DMEs can be controlled individually by connecting them as shown below.



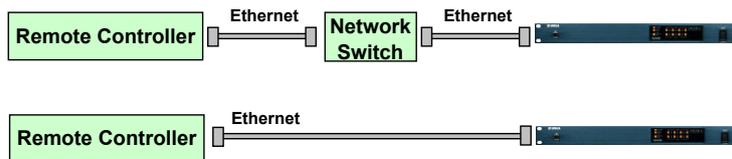
To debug the Remote Controller with a serial control application on a PC such as Hyper Terminal



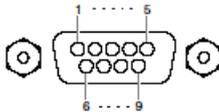
Connect the Remote controller/PC to the REMOTE connector on the rear panel of the DME using a RS-232C or a RS-422 crossing cable (D-sub; 9 pin female-to-female).

To use the NETWORK connector for Remote Control with the DME communication protocol

(Not supporting DME64N/24N V3.5 or earlier)



REMOTE connector pin assignment



RS-232C

| Pin | Name | In/Out | Pin | Name | In/Out |
|-----|------------|--------|-----|------------|--------|
| 1 | Not in use | — | 6 | DSR | In |
| 2 | RxD | In | 7 | RTS | Out |
| 3 | TxD | Out | 8 | CTS | In |
| 4 | DTR | Out | 9 | Not in use | - |
| 5 | GND | — | | | |

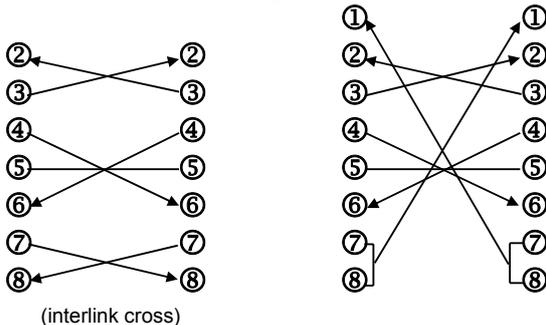
The pin 4 and 6 are internally shorted.
The pin 7 and 8 are internally shorted.

RS-422

| Pin | Name | In/Out | Pin | Name | In/Out |
|-----|------------|--------|-----|------------|--------|
| 1 | Not in use | — | 6 | Rx+ | In |
| 2 | Rx- | In | 7 | RTS | Out |
| 3 | Tx- | Out | 8 | CTS | In |
| 4 | Tx+ | Out | 9 | Not in use | - |
| 5 | GND | — | | | |

The pin 7 and 8 are internally shorted.

Available crossover cable wirings



1.2 Remote Controller Setting

The DME series can be controlled from an external device via the REMOTE connector or Ethernet (NETWORK connector; not supporting DME64N/24N V3.5 or earlier).

The Remote Controller settings for each connection are indicated as below.

Settings for control via the REMOTE connector

| | |
|--------------|-------------|
| Baud Rate | : 38400 bps |
| Data | : 8bit |
| Parity | : none |
| Stop Bit | : 1bit |
| Flow Control | : none |

Settings for control via Ethernet (the NETWORK connector; not supporting DME64N/24N V3.5 or earlier)

| | |
|--------------|--|
| IP Address: | Specify the IP address of the DME Satellite to be controlled. |
| IP Port No.: | Specify the IP Port No. that is set to the DME Satellite to be controlled. |

1.3 DME Setting

The DME series can be controlled from an external device via the REMOTE connector or Ethernet (NETWORK connector; not supporting DME64N/24N V3.5 or earlier).

The DME series settings for connection via the both connector are indicated as below.

1.3.1. DME series V3.8 or later

To display the setup window

From DME Designer

After going online between DME Designer and the DME series, open the [Hardware] menu -> [Utility] -> [Remote] page of DME Designer, then set the DME Remote Control parameter.

From the DME panel display (only for DME64N/24N)

Hold down the [Utility] button for three seconds to show the Utility display, then press the [Utility] button repeatedly until the Remote page is shown. On the page, set the Rmt Ctrl parameter.

To set the parameter values

For control via the REMOTE connector

Select "Remote (RS-232C)" to control the DME via the RS-232C connection.

Select "Remote (RS-422)" to control the DME via the RS-422 connection.

For only the DME Satellite, set the DIP switch (leftmost) on the rear panel to "RS-232C" (up) or "RS-422" (down) while the power is off as well. If the setting is changed, the DME Satellite needs to be restarted.

For control via Ethernet (the NETWORK connector)

Select "Network".

Generally the IP Port No. does not have to be set. However, it needs to be changed when the network consists of another network device than the DME series and the network device has the same IP Port No. as the DME series. Changing the port automatically resets the network connection on the DME, which means that DME Designer needs to be restarted.

1.3.2. DME64N/24N V3.5 or earlier (not supporting the control via Ethernet)

To display the setup window

From DME Designer

After going online between DME Designer and the DME series, open the [Hardware] menu -> [Utility] -> [Misc] page of DME Designer, then set the Remote parameter.

From the DME panel display

Hold down the [Utility] button for three seconds to show the Utility display, then press the [Utility] button repeatedly until the Misc page is shown. On the page, select the Remote parameter.

To set the parameter values

Select "Remote Ctrl (232C)" to control the DME via the RS-232C connection.

Select "Remote Ctrl (422)" to control the DME via the RS-422 connection.

1.3.3. DME Satellite V3.5 or earlier

To display the setup window

After going online between DME Designer and the DME series, open the [Hardware] menu -> [Utility] -> [Misc] page of DME Designer.

To set the parameter values

For control via the REMOTE connector

Select "Remote Ctrl (232C)" as the Remote parameter to control the DME via the RS-232C connection.

Select "Remote Ctrl (422)" as the Remote parameter to control the DME via the RS-422 connection.

Set the DIP switch (leftmost) on the rear panel to "RS-232C" (up) or "RS-422" (down) while the power is off as well. If the setting is changed, the DME needs to be restarted.

For control via Ethernet (the NETWORK connector)

Check the checkbox for [Remote Control via Ethernet].

Generally the IP Port No. does not have to be set. However, it needs to be changed when the network consists of another network device than the DME series and the network device has the same IP Port No. as the DME series. Changing the port automatically resets the network connection on the DME, which means that DME Designer needs to be restarted.

1.4 DME Designer Settings

A parameter or level meter should be registered in each index of the "Remote Control Setup List" dialog on the DME Designer to control the parameter or obtain the level meter. DME will identify a parameter or level meter to be controlled by including the index in a command.

* What is an index?

An index is the row number in the Remote Control Setup List dialog. You will see each index number at the left column of the list.

1.4.1 DME Parameter Control

Register a DME parameter to be controlled.

An example:

To control ON/OFF of a Fader component and a Source Selector component:

Remote Control Setup List dialog

| | Function | Parameter | Min | Max | Type |
|---|----------------------|---|-----|-----|------|
| 1 | Parameter Value Edit | Component:Fader:Fader:1:1:On | OFF | ON | -- |
| 2 | Parameter Value Edit | Component:Source Selector:Position:1:1:Position | | 1 | 4 -- |

Function: "Parameter Value Edit" is chosen.

Parameter: A parameter to be controlled is chosen.

To control a fader parameter, choose either "Curve Table method" or "dB method" for a parameter value in the Type column.

Curve Table Method

A method to assign a fader value from 0 to 1023. When Remote Controller transmits a value from 0 to 1023, DME will set the value (dB) converted by the internal fader curve table to a fader. Adopting this method will enable the user to control a fader easily without considering a fader dB curve.

dB Method

A method to assign a fader in dB units.

An example:

To control a Fader component level in accordance with a curve table and dB method:

Remote Control Setup List dialog

| | Function | Parameter | Min | Max | Type |
|---|----------------------|---------------------------------|-------------|---------|-------------|
| 3 | Parameter Value Edit | Component:Fader:Fader:1:1:Level | -INFINITYdB | 10.00dB | Curve Table |
| 4 | Parameter Value Edit | Component:Fader:Fader:2:1:Level | -INFINITYdB | 10.00dB | dB |

Function: "Parameter Value Edit" is chosen.

Parameter: A parameter to be controlled is chosen.

Type: An assigning method for a fader parameter is chosen.

1.4.2 Obtaining DME Level Meter

Register a component for which the user would like to obtain a level meter value.

An example:

To obtain a level meter for a fader component and a Cascade Output component:

Remote Control Setup List dialog

| | Function | Parameter | Min | Max | Type |
|---|-------------|--------------------------|-----|-----|------|
| 5 | Level Meter | Component:Meter | -- | -- | -- |
| 6 | Level Meter | Component:Cascade Output | -- | -- | -- |

Function: Level Meter is chosen.

Parameter: A component for which the user would like to obtain a level meter is chosen.

2. Command List

Commands Notified to Remote Controller from the DME

| No. | Category | Command | Definition |
|-----|-------------------|---------|---------------------------------|
| 1 | Parameter Control | PRM | To notify a parameter change |
| 2 | | VOL | To notify a parameter change |
| 3 | Scene Control | SCN | To notify scene recall |
| 4 | | CSN | To notify a scene recall number |
| 5 | | SNM | To notify a scene name |
| 6 | Level Meter | MTR | To notify a meter position |
| 7 | Mute Control | MUTE | To notify mute set/cancel |

Commands for Controlling the DME

| No. | Category | Command | Definition |
|-----|-------------------------|-----------|---|
| 8 | Parameter Control | SPR | To set a parameter |
| 9 | | SVL | To set a parameter (curve table method) |
| 10 | | RSPR | To relatively set a parameter |
| 11 | | RSVL | To relatively set a parameter (curve table method) |
| 12 | | GPR | To obtain a parameter |
| 13 | | GVL | To obtain a parameter (curve table method) |
| 14 | Scene Control | RSC | To recall a scene (assigning a scene number) |
| 15 | | RRSC | To recall a scene (assigning a relative value) |
| 16 | | GCS | To obtain a current scene number |
| 17 | Level Meter | GSN | To obtain a scene name |
| 18 | | GMT | To obtain a level meter position |
| 19 | | GCMT | To set cyclical obtaining of a level meter position |
| 20 | Mute Control | QCMT | To stop cyclical obtaining of a level meter position |
| 21 | | SMC | To set the cyclical period for obtaining a level meter position |
| 22 | GPI Control | SMUT | To set/cancel mute |
| 23 | | GMUT (*1) | To obtain mute condition |
| 24 | WAV FILE PLAYER Control | SGO | To control GPI OUT |
| 25 | | PWF | To play back a file |
| 26 | | SWF (*1) | To stop playback of a file |

Utility Commands

| No. | Category | Command | Definition |
|-----|-----------|---------|-------------------------|
| 27 | For debug | ECHO | To set/cancel echo back |

*1 Available only for DME firmware V3.11 or later

3. Command Specifications

3.1 Basic Command Specifications

A command type transmitted between the DME and the Remote Controller is in the following format:

<Command name> <Option 1> <Option 2> ... <Option n><Line feed>

- LF (0 x 0A) will be needed at the end of a command as a line feed code.
- At least one space will be needed between a command name and an option or between options.
- A command must consist of only ASCII character strings. Other character strings cannot be used.
- Optional character strings for parameter values are shown in the following table.

| Values | Character strings |
|------------|-------------------|
| -Inf | -13801 |
| -18dB | -1800 |
| -6.5dB | -650 |
| 0dB | 0 |
| 10dB | 1000 |
| 2kHz | 2000 |
| 400Hz | 400 |
| Pan L 63 | -63 |
| Pan Center | 0 |
| Pan R 63 | +63 |
| ON | 1 |
| OFF | 0 |
| REVERSE | 1 |
| NORMAL | 0 |

Character strings such as "ON" or "HARD" are not returned as a parameter value.

- A fader parameter value will take the following character strings using a curve table method.
(See chapter 1.4.1 for details on curve table methods and the Appendix at the end for values in dB and the character strings.)

A table for a fader of which maximum is 0 dB

| Values | Character strings |
|--------|-------------------|
| -Inf | 0 |
| -60dB | 173 |
| -40dB | 323 |
| -30dB | 423 |
| -20dB | 623 |
| -10dB | 823 |
| 0dB | 1023 |

A table for a fader of which maximum is 10 dB

| Values | Character strings |
|--------|-------------------|
| -Inf | 0 |
| -60dB | 123 |
| -40dB | 223 |
| -30dB | 323 |
| -20dB | 423 |
| -10dB | 623 |
| 0dB | 823 |
| 10dB | 1023 |

3.2 Command Notified to Remote Controller from the DME

3.2.1 Parameter Control Command

- 1) PRM: Used to change a parameter other than a fader parameter, and a fader using a dB method.
- 2) VOL: Used to change a fader using a curve table method.

| Command | Option |
|---------|-----------------------------|
| PRM | 0 [index] [parameter value] |
| VOL | 0 [index] [level value] |

The command names stand for "Parameter" and "Volume" respectively.

These commands will be sent from the DME when a parameter registered in Remote Control Setup List of DME Designer is changed

- The first option will always take "0." It can be ignored for the controller; it is reserved for future extensions to the command.
- [index], [parameter value] and [level value] should have appropriate character strings.
- A space will be needed between the command and the option, and between the options.

E.g.) A character string sent from the DME when a parameter for an index of 3 (using a dB method) is changed to -20dB.

PRM 0 3 -2000

A character string sent from the DME when a parameter for an index of 4 (using a curve table method, 10dB at the maximum) is changed to -20dB.

VOL 0 4 423

3.2.2 Scene Control Command

3) **SCN:** Used when a scene is recalled.

| Command | Option |
|---------|------------------|
| SCN | 0 [scene number] |

The command name stands for "Scene."

The DME will send the command when a scene is recalled.

- The first option will always take "0." It can be ignored for the controller; it is reserved for future extensions to the command.
- [scene number] will have an appropriate character string.
- A space will be needed between the command and the option, and between the options.

E.g.) A character string sent to the controller from the DME when Scene 8 is recalled.

SCN 0 8

3.2.3 Mute Control Command

7) **MUTE:** Used when mute condition is changed

| Command | Option |
|---------|------------|
| MUTE | 0 [ON/OFF] |

The DME will send the command when Mute ON/OFF is switched.

- The first option will always take "0." It can be ignored for the controller; it is reserved for future extensions to the command.
- The second option will have a character string, either "ON" or "OFF".
- A space will be needed between the command and the option, and between the options.

E.g.) A character string sent to the controller from the DME when Mute is switched off.

MUTE 0 OFF

3.3 Command for the DME Control

3.3.1 Parameter Control Command

8) **SPR:** Used to set a parameter other than a fader parameter, and a fader using a dB method.

9) **SVL:** Used to set a fader using a curve table method.

| Command | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|---------|-----------------------------|---|------------------------------|
| SPR | 0 [index] [parameter value] | SPR OK PRM 0 [index] [parameter value] | SPR ERR |
| SVL | 0 [index] [curve value] | SVL OK VOL 0 [index] [level value] | SVL ERR |

The command names stand for "Set Parameter" and "Set Volume" respectively.

- The first option will always take "0." It is reserved for future extensions to the command.
- [index], [parameter value] and [curve value] should have an appropriate number by a character string.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To change a parameter of an index of 5 to -30dB using a dB method.

SPR 0 5 -3000

To change a parameter of an index of 6 to -30dB using a curve table method (10dB at the maximum).

SVL 0 6 323

- The DME will return two lines of character strings if it succeeds.
The first line should be a character string, either "SPR OK" or "SVL OK".
For details on the character strings "PRM" and "VOL" in the second line, see chapter 3.2.1.
The first line can be ignored; check the second line to find the value after a parameter is changed for a controller.
- The DME will return a character string of either "SPR ERR" or "SVL ERR" if it fails.

E.g.) ACK when it succeeds in changing a parameter of an index of 5 to -30dB using a dB method.

**SPR OK
PRM 0 5 -3000**

ACK when it fails in changing a parameter of an index of 5 to -30dB using a dB method.

SPR ERR

ACK when it succeeds in changing a parameter of an index of 6 to -30dB using a curve table method (10 dB at the maximum).

SVL OK
VOL 0 6 323

ACK when it fails in changing a parameter of an index of 6 to -30dB using a curve table method (10 dB at the maximum).

SVL ERR

10) **RSPR**: Used to relatively set a parameter other than that for a fader, and a fader using a dB method.

11) **RSVL**: Used to relatively set a fader using a curve table method.

| Command | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|---------|--------------------------------------|--|------------------------------|
| RSPR | 0 [index] [relative parameter value] | RSPR OK PRM 0 [index] [parameter value] | RSPR ERR |
| RSVL | 0 [index] [relative curve value] | RSVL OK VOL 0 [index] [level value] | RSVL ERR |

The command names stand for "Relatively Set Parameter" and "Relatively Set Volume" respectively.

- The first option will always take "0." It is reserved for future extensions to the command.
- [index] should have an appropriate number by a character string.
- An appropriate relative value should be given by a character string to [relative parameter value] and [relative level value].
- One or more spaces are needed between the command and the option, and between the options.

E.g.) When changing a parameter of an index of 5 to +30dB using a dB method.

RSPR 0 5 3000

When changing a parameter of an index of 5 to -30dB using a dB method.

RSPR 0 5 -3000

When increasing a parameter of an index of 6 by 10 steps using a curve table method.

RSVL 0 6 10

When decreasing a parameter of an index of 6 by 10 steps using a curve table method.

RSVL 0 6 -10

- The DME will return two lines of character strings if it succeeds.
The first line will be a character string; "RSPR OK" or "RSVL OK".
For details on the character strings "PRM" and "VOL" in the second line, see chapter 3.2.1.
Ignore the first line but see only the second line to find a value after a parameter is changed for a controller.
A value returned in the second line is the changed value (absolute quantity). Even a relative setting will not return the quantity changed.
- If it fails, the DME will return one line of a character string, either "RSPR ERR" or "RSVL ERR."

E.g.) ACK when it succeeds in changing a parameter of an index of 5, which is originally -20dB, to -30dB using a dB method.

RSPR OK
PRM 0 5 -5000

ACK when it fails in changing a parameter of an index of 5, which is originally -20dB, to -30dB using a dB method.

RSPR ERR

ACK when it succeeds in decreasing a parameter of an index of 6, which is originally at -20dB, by 10 steps in a curve table method (10dB at the maximum).

RSVL OK
VOL 0 6 413

ACK when it fails in decreasing a parameter of an index of 6, which is originally at -20dB, by 10 steps using a curve table method (10dB at the maximum).

RSVL ERR

12) **GPR**: Used to obtain a parameter using a dB method.

13) **GVL**: Used to obtain a parameter using a curve table method.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|-----------|---|------------------------------|
| GPR | 0 [index] | GPR OK PRM 0 [index] [parameter value] | GPR ERR |
| GVL | 0 [index] | GVL OK VOL 0 [index] [level value] | GVL ERR |

The command names stand for "Get Parameter" and "Get Volume" respectively.

- The first option will always take "0." It is reserved for future extensions to the command.
- [index] will have an appropriate number converted to a character string.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To obtain a parameter of an index of 5 using a dB method.

GPR 0 5

To obtain a parameter of an index of 6 using a curve table method.

GVL 0 6

- The DME will return two lines of character strings if it succeeds.
The first line will have a character string: "GPR OK" or "GVL OK".
For details on the character strings "PRM" and "VOL" in the second line, see chapter 3.2.1.
The first line can be ignored; check the second line to find the parameter value for a controller.
- The DME will return a one-line character string of either "GPR ERR" or "GVL ERR" if it fails.

E.g.) ACK when a parameter of an index of 5 is obtained using a dB method and -30dB is returned.

**GPR OK
PRM 0 5 -3000**

ACK when it fails in obtaining a parameter of an index of 5 using a dB method

GPR ERR

ACK when a parameter of an index of 6 is obtained using a curve table method (10dB at the maximum) and -30dB is returned.

**GVL OK
VOL 0 6 323**

ACK when it fails in obtaining a parameter of an index of 6 using a curve table method (10dB at the maximum).

GVL ERR

3.3.2 Scene Control Command

14) RSC: Used to recall a scene.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|------------------|---------------------------------|------------------------------|
| RSC | 0 [scene number] | RSC OK SCN 0 [scene number] | RSC ERR |

The command name stands for "Recall Scene".

- The first option will always take "0." It is reserved for future extensions to the command.
- [scene number] will have an appropriate number converted to a character string.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To recall Scene 4:

RSC 0 4

- The DME will return two lines of character strings if it succeeds.
The first line will have a character string, "RSC OK".
For details on the character string "SCN" in the second line, see chapter 3.2.1.
The first line can be ignored; check the second line to find if a scene is recalled for a controller.
- The DME will return a one-line character string of "RSC ERR" if it fails.
(The DME will return ERR if the Remote Controller sends the RSC command for an unsaved scene.)

E.g.) ACK when it succeeds in recalling Scene 4:

**RSC OK
SCN 0 4**

ACK when it fails in recalling Scene 4:

RSC ERR

15) RRSC: Used to relatively recall a scene.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|------|---------------------------|---------------------------------|------------------------------|
| RRSC | 0 [relative scene number] | RRSC OK SCN 0 [scene number] | RRSC ERR |

The command name stands for "Relatively Recall Scene".

This command will perform relative scene recall. For example, it will enable the user to recall "the next scene" and "the second to last scene".

- The first option will always take "0." It is reserved for future extensions to the command.
- An appropriate number should be given by a character string to [relative scene number]. A plus sign can be omitted but not a minus.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To recall the next scene:

RRSC 0 1

To recall the second to last scene (two scenes prior to current one):

RRSC 0 -2

- The DME will return two lines of character strings if it succeeds.
 - The first line will have the character string "RRSC OK."
 - For details on the character string "SCN" in the second line, see chapter 3.2.1.
 - The first line can be ignored; check the second line to find if a scene is recalled for a controller.
 - A scene number after scene recall should be returned in the second line (absolute quantity).
 - Even relative recall will not return the quantity changed.
- The DME will return a one-line character string of "RRSC ERR" if it fails.

E.g.) ACK when the current scene is "3" and it succeeds in recalling the next scene.

**RRSC OK
SCN 0 4**

ACK when the current scene is "3" and it fails in recalling the next scene.

RRSC ERR

16) GCS: Used to obtain a current scene number.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|--------|---------------------------------|------------------------------|
| GCS | 0 | GCS OK CSN 0 [scene number] | GCS ERR |

The command name stands for "Get Current Scene".

This command will enable the user to obtain a scene number currently being recalled for the DME using the controller.

- The option will always take "0." It is reserved for future extensions to the command.
- One or more spaces will be needed between the command and the option.

E.g.) To obtain a current scene number:

GCS 0

- The DME will return two lines of character strings if it succeeds.
 - The first line will have a character string, "GCS OK".
 - The second line will have a character string, "SCN [scene number]", and the [scene number] takes either a scene number from 1 to 999 or number 0.
 - The scene number 0 indicates that a scene has not been recalled (no current scene).
 - The first character string can be ignored for the controller.
- The DME will return a one-line character string of "GCS ERR" if it fails.

E.g.) ACK when it returns Scene 4 by obtaining a current scene number.

**GCS OK
CSN 0 4** (The character string stands for "Current Scene Number".)

ACK when "no scene" is returned by obtaining a current scene number:

**GCS OK
CSN 0 0**

ACK when it fails in obtaining a current scene number.

GCS ERR

17) GSN: Used to obtain a scene name.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|------------------|---|------------------------------|
| GSN | 0 [scene number] | GSN OK SNM 0 [scene number] [a scene name] | GSN ERR |

The command name stands for "Get Scene Name."

This command will enable the user to obtain a DME scene name of a specified number from the controller.

- The first option will always take "0." It is reserved for future extensions to the command.
- [scene number] will have an appropriate number converted to a character string.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To obtain Scene 4 name:

GSN 0 4

- The DME will return two lines of character strings if it succeeds.
 - The first line will have the character string "GSN OK."
 - The second line will have a scene number from 1 to 999 for the [scene number] and a new name for the [a scene name] by a character string.
 - The first character string can be ignored for the controller.
 - A scene name that is blank looks as a scene name is not returned.
- The DME will return one line of a character string; "GSN ERR" if it fails.

E.g.) ACK when a character string, "Scene 004" is returned by obtaining a name of Scene 4.

GSN OK

SNM 4 Scene 004 (The character string stands for "Scene NaMe".)

ACK when a character string, " " is returned by obtaining a name of Scene 4.

GSN OK

SNM 4

ACK when it fails in obtaining a name of Scene 4.

GSN ERR

3.3.3 Command to Obtain Level Meter

18) GMT: Used to obtain a level meter position.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|---------------------------|--|------------------------------|
| GMT | 0 [index] [a meter value] | GMT OK MTR 0 [index] CUR [CH1] ... HOLD [CH1] ... | GMT ERR |

The command name stands for "Get Meter."

CUR stands for "Current meter value".

HOLD stands for "Peak hold value".

This command will enable the user to obtain a DME meter value.

- The first option will always take "0." It is reserved for future extensions to the command.
- [index] will have an appropriate number converted to a character string.
- The meter number to be obtained should be assigned to [a meter number].
 - A value of "1" or greater should be assigned to a meter number to obtain specific meter data.
 - See "DME Communication Protocol Specifications" for the meter numbers for each component.
 - A value of "0" should be assigned to obtain meter data for every channel.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To obtain a level meter for a specific channel (index 1, parameter number 3)

GMT 0 1 3

E.g.) To obtain a level meter for every channel (index 1, parameter number 0)

GMT 0 1 0

- The DME will return two lines of character strings if it succeeds.
 - The first line will have a character string of "GMT OK."
 - The second line will have a character string of "MTR [index] CUR [CH1] [CH2] ... HOLD [CH1] [CH2] ...".
 - The first character string can be ignored for the controller.

The same number of current meter levels as that of channels comes after CUR in the second line.

The same number of current meter hold levels as that of channels comes after HOLD in the second line.

The meter and hold level number ranges from -13801 to 1.

The following table shows the relationship between character strings and levels sent from the DME.

| Character strings | Level |
|-------------------|--------|
| -13801 | -Inf |
| -13800 | -138dB |
| -10000 | -100dB |
| -8000 | -80dB |
| -6000 | -60dB |
| -4000 | -40dB |
| -2000 | -20dB |
| 0 | 0dB |
| 1 | Over |

To detect if an input level to the Audio Detector exceeds the threshold

If an input level to the Audio Detector exceeds the threshold, the meter level becomes "Over," which is different from conventional meter operation. Obtaining the character string "MTR 0 1 0 CUR 1 HOLD 1" indicates that the input level exceeds the threshold.

- The DME will return the one-line character string "GMT ERR" if it fails.

E.g.) ACK when it succeeds in obtaining a meter of an index of 5 (four channels) (The numbers below are examples)

GMT OK
MTR 0 5 CUR -13801 -2000 -3000 -13801 HOLD -13801 -1500 -2800 -13801

(The character string stands for "MeTeR".)

ACK when it succeeds in obtaining a meter of an index of 5 (eight channels) (The numbers below are examples)

GMT OK
MTR 0 5 CUR -1800 -2300 -200 1 -300 0 -13801 -13801 HOLD -1500 -2000 -0 1 -200 1 -13801 -13801

ACK when it fails in obtaining a meter of an index of 5 (four channels)

GMT ERR

19) GCMT: Used to set cyclical obtaining of a level meter.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|------|---------------------------|---|------------------------------|
| GCMT | 0 [index] [a meter value] | GCMT OK MTR 0 [index] CUR [CH1] ... HOLD [CH1] ... | GCMT ERR |

The command name stands for "Get Cyclic Meter".

CUR stands for "Current meter value".

HOLD stands for "Peak hold value".

Registering a meter number to be obtained using this command will send the level meter value cyclically from the DME.

The level meter value will be sent until it is cancelled with a QCMT command described later. Up to 100 meters can be registered.

- The first option will always take "0." It is reserved for future extensions to the command.
- The same as [index] GMT.
- The same as [a meter number] GMT.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To register cyclical obtaining of a level meter for a specific channel (index 1, parameter number 3)

GCMT 0 1 3

E.g.) To register cyclical obtaining of a level meter for every channel (index 1, parameter number 0)

GCMT 0 1 0

- The DME will return two lines of character strings if it succeeds.
 The first line will have a character string of "GCMT OK."
 The second line will have the same character string as ACK when obtaining a meter using GMT.
- The DME will return a one-line character string of "GCMT ERR" if it fails.

E.g.) An example of the DME transmit and receive data when assigning a specific channel (index: 1, meter number: 3)

GCMT 0 1 3
MTR 0 1 CUR -1800 HOLD 0
 : (Remote Controller will receive meter data cyclically from the DME.)
MTR 0 1 CUR -1700 HOLD 0

E.g.) An example of transmit and receive data when assigning all channels (index 1, meter number: 0)

GCMT 0 1 0
MTR 0 1 CUR -1800 -2300 -200 1 -300 0 -13801 -13801 HOLD 0 0 0 0 10
 : (Remote Controller will receive meter data cyclically from the DME.)
MTR 0 1 CUR -1800 -2300 -200 1 -300 0 -13801 -13801 HOLD 0 0 0 0 10

20) QCMT: Used to stop cyclical obtaining of a level meter.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|------|---------------------------|---------------------------------|------------------------------|
| QCMT | 0 [index] [a meter value] | QCMT OK | QCMT ERR |

The command name stands for "Quit Cyclic Meter".

It will be used to cancel cyclic transmission of a level meter registered in the DME with the GCMT command.

- The first option will always take "0." It is reserved for future extensions to the command.
- [index] will have an appropriate number assigned with the DME Designer by a character string.
- "0" should be always assigned to [a meter number].
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To discard registration of an obtained meter cycle:

QCMT 0 1 0

The DME will return a one-line character string of "QCMT OK" if it succeeds.

The DME will return a one-line character string of "QCMT ERR" if it fails.

E.g.) ACK when it succeeds in discarding meter number registration.

QCMT OK

ACK when it fails in discarding meter number registration.

QCMT ERR

21) SMC: Used to set the cyclical period for automatically obtaining all level meters.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|-------------|---------------------------------|------------------------------|
| SMC | 0 [a cycle] | SMC OK | SMC ERR |

The command name stands for "Set Meter Cycle".

This command will enable the user to set a cycle in ms units for sending all level meters set to be obtained cyclically.

The DME will send level meters at 100 msec intervals if the DME has not received this command.

- The first option will always take "0." It is reserved for future extensions to the command.
- The meter transmission interval from the DME should be assigned to [a cycle] in ms units.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To change the meter transmission interval from the DME to 200msec:

SMC 0 200

- The DME will return a one-line character string of "SMC OK" if it succeeds.

- The DME will return a one-line character string of "SMC ERR" if it fails.

E.g.) ACK when it succeeds in changing the meter transmission interval:

SMC OK

ACK when it fails in changing the meter transmission interval:

SMC ERR

Guide for setting the cycle

An appropriate cycle needs to be set in accordance with the number of the level meters to be obtained cyclically.

Follow the table below to find an appropriate cycle.

A table of the number of the level meters and the required time to be obtained

| Number of level meters to be obtained by a single command | Required time to be obtained |
|---|------------------------------|
| 64 | 239ms |
| 32 | 122ms |
| 16 | 64ms |
| 8 | 34ms |
| 4 | 20ms |
| 2 | 12ms |
| 1 | 9ms |

The sum of "Required time to be obtained" in the table above for each command will be the guide for setting an appropriate cycle. The cycle to automatically obtain a level meter, however, should be set to at least at 50 msec, since too short of a cycle will increase the load of the communication line.

Estimation of the cycle:

Example 1: To obtain 1 ch level meter of 16ch Fader component,
 A required cycle for obtaining 1 level meter is 9 ms according to the table above.
 However, since the minimum cycle must be at least 50 ms, set the cycle to 50 ms.

Example 2: To obtain 1 component (16 ch) level meters of 16ch Fader component,
 A required cycle for obtaining 16 level meters is 64 ms according to the table above.
 Set the cycle to 64 ms.

Example 3: To obtain 2 component (32 ch) level meters of 16ch Fader component,
 A required cycle for obtaining 16 level meters is 64 ms according to the table above.
 Set the cycle to 128 ms by multiplying 64 ms by 2 component cycles.

3.3.4 Mute Control Command

22) SMUT: Used to set/cancel the mute function.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|------|------------|---------------------------------|------------------------------|
| SMUT | 0 [ON/OFF] | SMUT OK MUTE 0 [ON/OFF] | SMUT ERR |

The command name stands for "Set Mute".

- The first option will always take "0." It is reserved for future extensions to the command.
- The second option will have a character string of either "ON" or "OFF."
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To turn on the mute function:

SMUT 0 ON

- The DME will return two lines of character strings if it succeeds.
 The first line will have a character string of "SMUT OK."
 The second line will have the same character string as that output to the controller from the DME when Mute ON/OFF is switched.
 The first character string can be ignored for the controller.
- The DME will return a character string of "SMUT ERR" if it fails.

E.g.) ACK when it succeeds in switching the mute function on:

**SMUT OK
MUTE 0 ON**

ACK when it fails in switching the mute function on:

SMUT ERR

23) GMUT: Used to obtain the mute condition.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|------|--------|---------------------------------|------------------------------|
| GMUT | 0 | GMUT OK MUTE 0 [ON/OFF] | GMUT ERR |

The command name stands for "Get Mute."

This command only applies to DME firmware V3.11 or later.

- The option will always take "0." It is reserved for future extensions to the command.
- One or more spaces will be needed between the command and the option.

E.g.) To obtain the mute condition:

GMUT 0

- The DME will return two lines of character strings if it succeeds.
 The first line will have a character string, "GMUT OK."
 The second line will have the same character string as that output to the controller from the DME when Mute ON/OFF is switched.
 The first character string can be ignored for the controller.
- The DME will return a one-line character string of "GMUT ERR" if it fails.

E.g.) ACK when it succeeds in obtaining the mute condition and the mute condition is ON:

**GMUT OK
MUTE 0 ON**

ACK when it fails in obtaining the mute condition:

GMUT ERR

3.3.5 GPI Control Command

24) SGO: Used to control GPI OUT.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|------------------------------|---------------------------------|------------------------------|
| SGO | 0 [Port number] [ON/OFF] ... | SGO OK | SGO ERR |

The command name stands for "Set Gpi Out".

- The first option will always take "0." It is reserved for future extensions to the command.
- The second option will have a port number by a character string.
- The third option will have a character string of either "ON" or "OFF."
- One or more spaces are needed between the command and the option, and between the options.
- Multiple GPI outputs can be controlled by adding another option.
- SGO command changes GPI OUT port status without affecting any parameters in DME components.

E.g.) To set port 3 on:

SGO 0 3 ON

To set port 10 on, port 11 off:

SGO 0 10 ON 11 OFF

To set port 1 on, port 3 off, port 4 on and port 5 on:

SGO 0 1 ON 3 OFF 4 ON 5 ON

- The DME will return a one-line character string of "SGO OK" if it succeeds.
- The DME will return a one-line character string of "SGO ERR" if it fails.

E.g.) ACK when it succeeds in setting GPI port 3 on:

SGO OK

ACK when it fails in setting GPI port 3 on:

SGO ERR

3.3.6 WAV FILE PLAYER Control Command

25) PWF: Used to play back a file.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|----------------------------------|---------------------------------|------------------------------|
| PWF | 0 [An index to Wav File Manager] | PWF OK | PWF ERR |

The command name stands for "Play Wav File".

This command will enable the user to play back a specified song in the DME's WAV File Player. A file should be registered in WAV File Manager in advance to play the song.

- The first option will always take "0." It is reserved for future extensions to the command.
- The second option will have an index to Wav File Manager by a character string.
- One or more spaces are needed between the command and the option, and between the options.

E.g.) To play back a WAV file registered in Wav File Manager 4:

PWF 0 4

- The DME will return a one-line character string of "PWF OK" if it succeeds.
- The DME will return a one-line character string of "PWF ERR" if it fails.

E.g.) ACK when it succeeds in playing back a WAV file registered in Wav File Manager 4:

PWF OK

ACK when it fails in playing back a WAV file registered in Wav File Manager 4:

PWF ERR

26) SWF: Used to stop playback of a file.

| | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|-----|--------|---------------------------------|------------------------------|
| SWF | 0 | SWF OK | SWF ERR |

The command name stands for "Stop Wav File."
 This command only applies to DME firmware V3.11 or later.

This command will enable the user to stop playback of a song in the DME's WAV File Player.

- The option will always take "0." It is reserved for future extensions to the command.
- One or more spaces are needed between the command and the option.

E.g.) To stop playback of a WAV file
SWF 0

- The DME will return a one-line character string of "SWF OK" if it succeeds.
- The DME will return a one-line character string of "SWF ERR" if it fails.

E.g.) ACK when it succeeds in stopping playback of a WAV file:
SWF OK

ACK when it fails in stopping playback of a WAV file:
SWF ERR

3.4 Utility Command

3.4.1 Command for Debug

27) ECHO: Used to set/cancel Echo Back.

| Command | Option | The DME's ACKs when it succeeds | The DME's ACKs when it fails |
|---------|------------|---------------------------------|------------------------------|
| ECHO | 0 [ON/OFF] | ECHO OK | ECHO ERR |

A character string received by the DME can be echoed back to debug the controller.
 Switching the Echo function on will cause a character string to be echoed back until the Echo function or the DME is switched off.
 The default is OFF.
 It may be controlled normally while it is echoed back.

- The first option will always take "0." It is reserved for future extensions to the command.
- [ON/OFF] will have a character string of either "ON" or "OFF."
- One or more spaces are needed between the command and the option, and between the options.

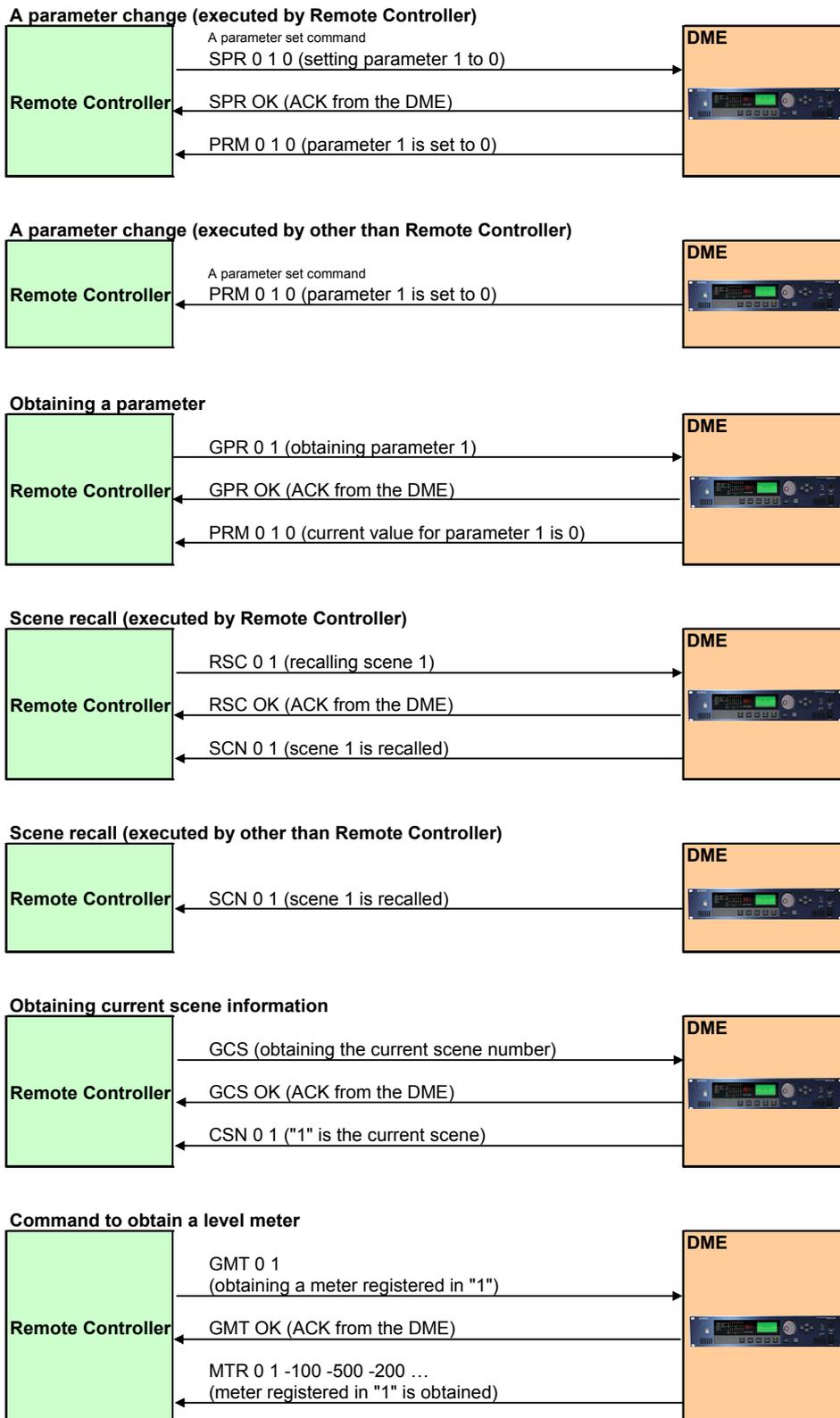
E.g.) To switch the DME Echo on:
ECHO 0 ON

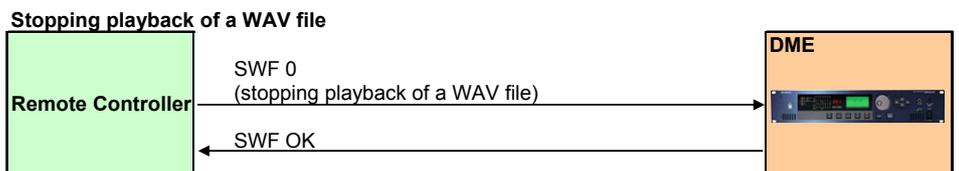
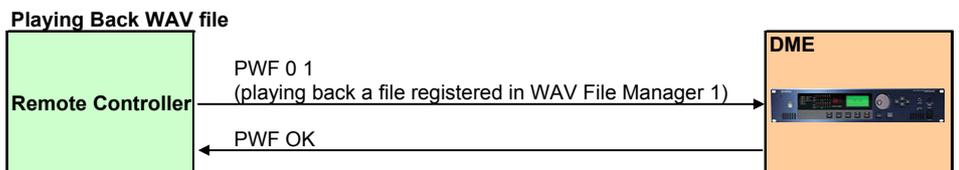
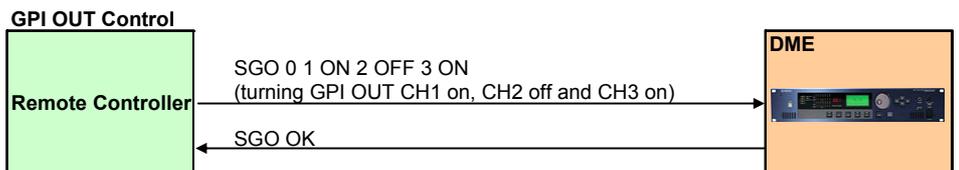
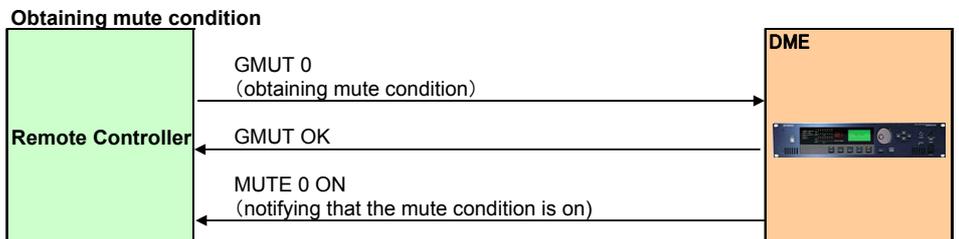
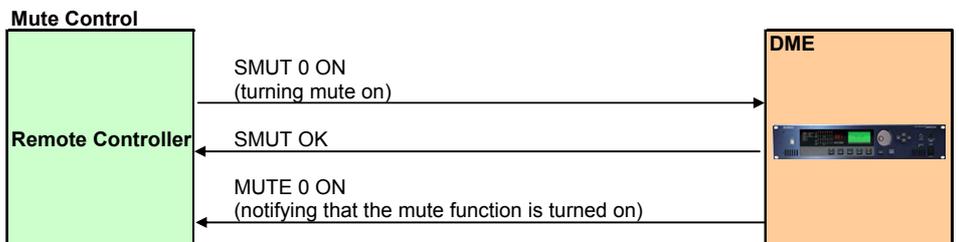
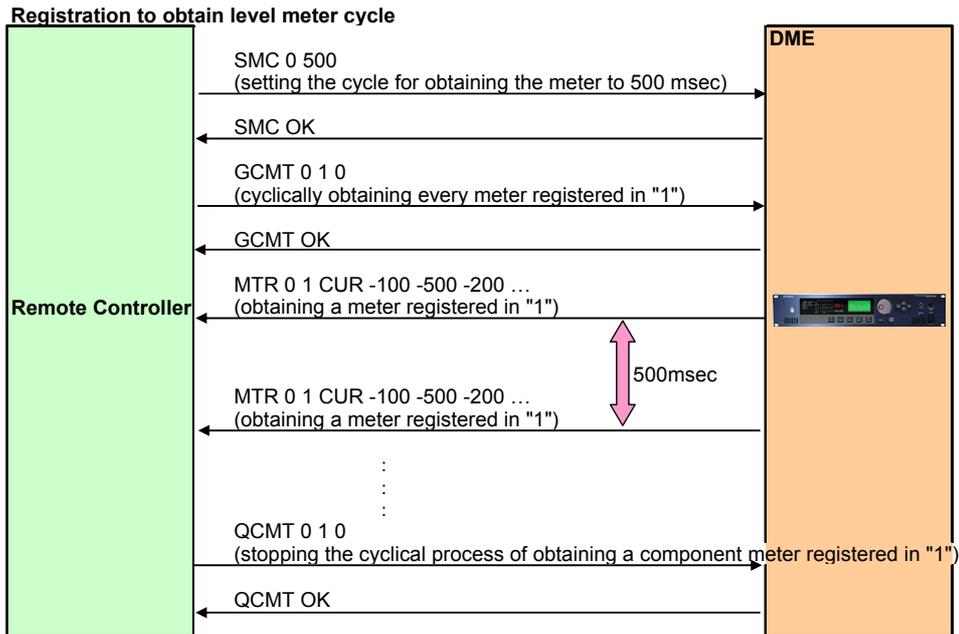
To switch the DME Echo off:
ECHO 0 OFF

A character string of "ECHO OK" will be output to the controller when it succeeds, or "ECHO ERR" when it fails.

4. Command Sequence

The following are examples of the main command sequence.





Troubleshooting (FAQ)

Q: Is it possible to communicate with the DME at a baud rate other than 38400bps for serial communication via the REMOTE connector?

A: No, it is not possible. Be sure to set the baud rate of the remote controller to 38400bps. For more information, see the section "1.2 Remote Controller Settings."

Q: What should be used as a line feed code of a command?

A: LF (0x0A) can be used as a line feed code ("0A" for AMX, "\x0A" for Crestron). For more information, see the section "3.1 Basic Command Specifications."

Q: Up to how many parameters can be controlled with the communication protocol?

A: The maximum number of specifically defined controllable parameters is 256, as set in the Remote Control Setup List of DME Designer. Other controls such as scene recall are in addition to this.

Q: How can I control more than 256 types of parameters?

A: You can use MIDI and/or GPI signals in addition to the remote control protocol.

Q: Can the MIDI parameter change and/or control change be transmitted via Ethernet?

A: No, the MIDI parameter change and/or control change cannot be transmitted via Ethernet. The SPR command can be used to change parameters. The RSC command can be used to recall a scene.

Q: Can the DME receive the parameter setting command SPR in the middle of scene recall processing?

A: No, the command is disabled during recall. All the commands transmitted to the DME in the middle of scene recall processing will be ignored. When scene recalls are complete, the DME will restart receiving the SPR command. The parameter setting command can be transmitted after checking the SCN command notified from the DME when scene recalls are complete.

Q: Is there any difference in response time for parameter changing, depending on the type of component?

A: A component (such as Matrix Mixer 64x64) with various parameters may require longer time for parameter change than a component with a small number of parameters.

Q: If the response speed of the DME to a command is slow, what are the possible causes and solutions?

A: When a large number of commands are transmitted to the DME in a short time, processing time may be longer because data is accumulated in the receive buffer. In this case, make sure that the transmission interval between the commands for the remote controller is long enough for optimum processing.

Q: If the response speed of the meter is slow, what are the possible causes and solutions?

A: The response speed of the meter will be slow when the number of meters displayed on the screen increases. In this case, try the following solutions.

- If the cyclical period for automatically obtaining a meter is too short, the response speed will be slow due to the accumulation of data. Try to set a cycle as long as possible using the SMC command.
- The response speed will be faster by using the GCMT command that can obtain data cyclically than by using the GMT command that obtains data each time, because the volume of communication decreases.
- If you want to display multiple meters in the same component, you can ensure a faster response speed by assigning a value of "0" to a meter number to obtain data all at once, rather than by assigning a meter number to obtain data individually.
- If you want to display a meter in the Meter component, you can ensure a faster response speed by assigning the multiple-channel Meter component, rather than by assigning multiple one-channel Meter components.

For more information on commands see GMT and GCMT in the section "3.3.3 Command to Obtain Level Meter."

Q: If a parameter is assigned to "GPI OUT" and the port is controlled by the SGO command, does the parameter link?

A: No, the parameter does not link. Only the GPI output from a port specified by the SGO command is controlled.

Q: Can the input level to the Audio Detector be detected if it exceeds the threshold?

A: Yes it can. For more information on detecting the level see the section "3.3.3 Command to Obtain Level Meter."

Appendix

A Fader Table of $-\infty$ to 0 dB

| Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data |
|-------|-----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 0 | -InfdB | 64 | -87.50dB | 128 | -69.00dB | 192 | -56.20dB | 256 | -46.70dB | 320 | -40.30dB | 384 | -33.90dB | 448 | -28.75dB |
| 1 | -138.00dB | 65 | -87.00dB | 129 | -68.80dB | 193 | -56.00dB | 257 | -46.60dB | 321 | -40.20dB | 385 | -33.80dB | 449 | -28.70dB |
| 2 | -136.00dB | 66 | -86.50dB | 130 | -68.60dB | 194 | -55.80dB | 258 | -46.50dB | 322 | -40.10dB | 386 | -33.70dB | 450 | -28.65dB |
| 3 | -134.00dB | 67 | -86.00dB | 131 | -68.40dB | 195 | -55.60dB | 259 | -46.40dB | 323 | -40.00dB | 387 | -33.60dB | 451 | -28.60dB |
| 4 | -133.00dB | 68 | -85.50dB | 132 | -68.20dB | 196 | -55.40dB | 260 | -46.30dB | 324 | -39.90dB | 388 | -33.50dB | 452 | -28.55dB |
| 5 | -132.00dB | 69 | -85.00dB | 133 | -68.00dB | 197 | -55.20dB | 261 | -46.20dB | 325 | -39.80dB | 389 | -33.40dB | 453 | -28.50dB |
| 6 | -131.00dB | 70 | -84.50dB | 134 | -67.80dB | 198 | -55.00dB | 262 | -46.10dB | 326 | -39.70dB | 390 | -33.30dB | 454 | -28.45dB |
| 7 | -130.00dB | 71 | -84.00dB | 135 | -67.60dB | 199 | -54.80dB | 263 | -46.00dB | 327 | -39.60dB | 391 | -33.20dB | 455 | -28.40dB |
| 8 | -129.00dB | 72 | -83.50dB | 136 | -67.40dB | 200 | -54.60dB | 264 | -45.90dB | 328 | -39.50dB | 392 | -33.10dB | 456 | -28.35dB |
| 9 | -128.00dB | 73 | -83.00dB | 137 | -67.20dB | 201 | -54.40dB | 265 | -45.80dB | 329 | -39.40dB | 393 | -33.00dB | 457 | -28.30dB |
| 10 | -127.00dB | 74 | -82.50dB | 138 | -67.00dB | 202 | -54.20dB | 266 | -45.70dB | 330 | -39.30dB | 394 | -32.90dB | 458 | -28.25dB |
| 11 | -126.00dB | 75 | -82.00dB | 139 | -66.80dB | 203 | -54.00dB | 267 | -45.60dB | 331 | -39.20dB | 395 | -32.80dB | 459 | -28.20dB |
| 12 | -125.00dB | 76 | -81.50dB | 140 | -66.60dB | 204 | -53.80dB | 268 | -45.50dB | 332 | -39.10dB | 396 | -32.70dB | 460 | -28.15dB |
| 13 | -124.00dB | 77 | -81.00dB | 141 | -66.40dB | 205 | -53.60dB | 269 | -45.40dB | 333 | -39.00dB | 397 | -32.60dB | 461 | -28.10dB |
| 14 | -123.00dB | 78 | -80.50dB | 142 | -66.20dB | 206 | -53.40dB | 270 | -45.30dB | 334 | -38.90dB | 398 | -32.50dB | 462 | -28.05dB |
| 15 | -122.00dB | 79 | -80.00dB | 143 | -66.00dB | 207 | -53.20dB | 271 | -45.20dB | 335 | -38.80dB | 399 | -32.40dB | 463 | -28.00dB |
| 16 | -121.00dB | 80 | -79.50dB | 144 | -65.80dB | 208 | -53.00dB | 272 | -45.10dB | 336 | -38.70dB | 400 | -32.30dB | 464 | -27.95dB |
| 17 | -120.00dB | 81 | -79.00dB | 145 | -65.60dB | 209 | -52.80dB | 273 | -45.00dB | 337 | -38.60dB | 401 | -32.20dB | 465 | -27.90dB |
| 18 | -119.00dB | 82 | -78.50dB | 146 | -65.40dB | 210 | -52.60dB | 274 | -44.90dB | 338 | -38.50dB | 402 | -32.10dB | 466 | -27.85dB |
| 19 | -118.00dB | 83 | -78.00dB | 147 | -65.20dB | 211 | -52.40dB | 275 | -44.80dB | 339 | -38.40dB | 403 | -32.00dB | 467 | -27.80dB |
| 20 | -117.00dB | 84 | -77.80dB | 148 | -65.00dB | 212 | -52.20dB | 276 | -44.70dB | 340 | -38.30dB | 404 | -31.90dB | 468 | -27.75dB |
| 21 | -116.00dB | 85 | -77.60dB | 149 | -64.80dB | 213 | -52.00dB | 277 | -44.60dB | 341 | -38.20dB | 405 | -31.80dB | 469 | -27.70dB |
| 22 | -115.00dB | 86 | -77.40dB | 150 | -64.60dB | 214 | -51.80dB | 278 | -44.50dB | 342 | -38.10dB | 406 | -31.70dB | 470 | -27.65dB |
| 23 | -114.00dB | 87 | -77.20dB | 151 | -64.40dB | 215 | -51.60dB | 279 | -44.40dB | 343 | -38.00dB | 407 | -31.60dB | 471 | -27.60dB |
| 24 | -113.00dB | 88 | -77.00dB | 152 | -64.20dB | 216 | -51.40dB | 280 | -44.30dB | 344 | -37.90dB | 408 | -31.50dB | 472 | -27.55dB |
| 25 | -112.00dB | 89 | -76.80dB | 153 | -64.00dB | 217 | -51.20dB | 281 | -44.20dB | 345 | -37.80dB | 409 | -31.40dB | 473 | -27.50dB |
| 26 | -111.00dB | 90 | -76.60dB | 154 | -63.80dB | 218 | -51.00dB | 282 | -44.10dB | 346 | -37.70dB | 410 | -31.30dB | 474 | -27.45dB |
| 27 | -110.00dB | 91 | -76.40dB | 155 | -63.60dB | 219 | -50.80dB | 283 | -44.00dB | 347 | -37.60dB | 411 | -31.20dB | 475 | -27.40dB |
| 28 | -109.00dB | 92 | -76.20dB | 156 | -63.40dB | 220 | -50.60dB | 284 | -43.90dB | 348 | -37.50dB | 412 | -31.10dB | 476 | -27.35dB |
| 29 | -108.00dB | 93 | -76.00dB | 157 | -63.20dB | 221 | -50.40dB | 285 | -43.80dB | 349 | -37.40dB | 413 | -31.00dB | 477 | -27.30dB |
| 30 | -107.00dB | 94 | -75.80dB | 158 | -63.00dB | 222 | -50.20dB | 286 | -43.70dB | 350 | -37.30dB | 414 | -30.90dB | 478 | -27.25dB |
| 31 | -106.00dB | 95 | -75.60dB | 159 | -62.80dB | 223 | -50.00dB | 287 | -43.60dB | 351 | -37.20dB | 415 | -30.80dB | 479 | -27.20dB |
| 32 | -105.00dB | 96 | -75.40dB | 160 | -62.60dB | 224 | -49.90dB | 288 | -43.50dB | 352 | -37.10dB | 416 | -30.70dB | 480 | -27.15dB |
| 33 | -104.00dB | 97 | -75.20dB | 161 | -62.40dB | 225 | -49.80dB | 289 | -43.40dB | 353 | -37.00dB | 417 | -30.60dB | 481 | -27.10dB |
| 34 | -103.00dB | 98 | -75.00dB | 162 | -62.20dB | 226 | -49.70dB | 290 | -43.30dB | 354 | -36.90dB | 418 | -30.50dB | 482 | -27.05dB |
| 35 | -102.00dB | 99 | -74.80dB | 163 | -62.00dB | 227 | -49.60dB | 291 | -43.20dB | 355 | -36.80dB | 419 | -30.40dB | 483 | -27.00dB |
| 36 | -101.50dB | 100 | -74.60dB | 164 | -61.80dB | 228 | -49.50dB | 292 | -43.10dB | 356 | -36.70dB | 420 | -30.30dB | 484 | -26.95dB |
| 37 | -101.00dB | 101 | -74.40dB | 165 | -61.60dB | 229 | -49.40dB | 293 | -43.00dB | 357 | -36.60dB | 421 | -30.20dB | 485 | -26.90dB |
| 38 | -100.50dB | 102 | -74.20dB | 166 | -61.40dB | 230 | -49.30dB | 294 | -42.90dB | 358 | -36.50dB | 422 | -30.10dB | 486 | -26.85dB |
| 39 | -100.00dB | 103 | -74.00dB | 167 | -61.20dB | 231 | -49.20dB | 295 | -42.80dB | 359 | -36.40dB | 423 | -30.00dB | 487 | -26.80dB |
| 40 | -99.50dB | 104 | -73.80dB | 168 | -61.00dB | 232 | -49.10dB | 296 | -42.70dB | 360 | -36.30dB | 424 | -29.95dB | 488 | -26.75dB |
| 41 | -99.00dB | 105 | -73.60dB | 169 | -60.80dB | 233 | -49.00dB | 297 | -42.60dB | 361 | -36.20dB | 425 | -29.90dB | 489 | -26.70dB |
| 42 | -98.50dB | 106 | -73.40dB | 170 | -60.60dB | 234 | -48.90dB | 298 | -42.50dB | 362 | -36.10dB | 426 | -29.85dB | 490 | -26.65dB |
| 43 | -98.00dB | 107 | -73.20dB | 171 | -60.40dB | 235 | -48.80dB | 299 | -42.40dB | 363 | -36.00dB | 427 | -29.80dB | 491 | -26.60dB |
| 44 | -97.50dB | 108 | -73.00dB | 172 | -60.20dB | 236 | -48.70dB | 300 | -42.30dB | 364 | -35.90dB | 428 | -29.75dB | 492 | -26.55dB |
| 45 | -97.00dB | 109 | -72.80dB | 173 | -60.00dB | 237 | -48.60dB | 301 | -42.20dB | 365 | -35.80dB | 429 | -29.70dB | 493 | -26.50dB |
| 46 | -96.50dB | 110 | -72.60dB | 174 | -59.80dB | 238 | -48.50dB | 302 | -42.10dB | 366 | -35.70dB | 430 | -29.65dB | 494 | -26.45dB |
| 47 | -96.00dB | 111 | -72.40dB | 175 | -59.60dB | 239 | -48.40dB | 303 | -42.00dB | 367 | -35.60dB | 431 | -29.60dB | 495 | -26.40dB |
| 48 | -95.50dB | 112 | -72.20dB | 176 | -59.40dB | 240 | -48.30dB | 304 | -41.90dB | 368 | -35.50dB | 432 | -29.55dB | 496 | -26.35dB |
| 49 | -95.00dB | 113 | -72.00dB | 177 | -59.20dB | 241 | -48.20dB | 305 | -41.80dB | 369 | -35.40dB | 433 | -29.50dB | 497 | -26.30dB |
| 50 | -94.50dB | 114 | -71.80dB | 178 | -59.00dB | 242 | -48.10dB | 306 | -41.70dB | 370 | -35.30dB | 434 | -29.45dB | 498 | -26.25dB |
| 51 | -94.00dB | 115 | -71.60dB | 179 | -58.80dB | 243 | -48.00dB | 307 | -41.60dB | 371 | -35.20dB | 435 | -29.40dB | 499 | -26.20dB |
| 52 | -93.50dB | 116 | -71.40dB | 180 | -58.60dB | 244 | -47.90dB | 308 | -41.50dB | 372 | -35.10dB | 436 | -29.35dB | 500 | -26.15dB |
| 53 | -93.00dB | 117 | -71.20dB | 181 | -58.40dB | 245 | -47.80dB | 309 | -41.40dB | 373 | -35.00dB | 437 | -29.30dB | 501 | -26.10dB |
| 54 | -92.50dB | 118 | -71.00dB | 182 | -58.20dB | 246 | -47.70dB | 310 | -41.30dB | 374 | -34.90dB | 438 | -29.25dB | 502 | -26.05dB |
| 55 | -92.00dB | 119 | -70.80dB | 183 | -58.00dB | 247 | -47.60dB | 311 | -41.20dB | 375 | -34.80dB | 439 | -29.20dB | 503 | -26.00dB |
| 56 | -91.50dB | 120 | -70.60dB | 184 | -57.80dB | 248 | -47.50dB | 312 | -41.10dB | 376 | -34.70dB | 440 | -29.15dB | 504 | -25.95dB |
| 57 | -91.00dB | 121 | -70.40dB | 185 | -57.60dB | 249 | -47.40dB | 313 | -41.00dB | 377 | -34.60dB | 441 | -29.10dB | 505 | -25.90dB |
| 58 | -90.50dB | 122 | -70.20dB | 186 | -57.40dB | 250 | -47.30dB | 314 | -40.90dB | 378 | -34.50dB | 442 | -29.05dB | 506 | -25.85dB |
| 59 | -90.00dB | 123 | -70.00dB | 187 | -57.20dB | 251 | -47.20dB | 315 | -40.80dB | 379 | -34.40dB | 443 | -29.00dB | 507 | -25.80dB |
| 60 | -89.50dB | 124 | -69.80dB | 188 | -57.00dB | 252 | -47.10dB | 316 | -40.70dB | 380 | -34.30dB | 444 | -28.95dB | 508 | -25.75dB |
| 61 | -89.00dB | 125 | -69.60dB | 189 | -56.80dB | 253 | -47.00dB | 317 | -40.60dB | 381 | -34.20dB | 445 | -28.90dB | 509 | -25.70dB |
| 62 | -88.50dB | 126 | -69.40dB | 190 | -56.60dB | 254 | -46.90dB | 318 | -40.50dB | 382 | -34.10dB | 446 | -28.85dB | 510 | -25.65dB |
| 63 | -88.00dB | 127 | -69.20dB | 191 | -56.40dB | 255 | -46.80dB | 319 | -40.40dB | 383 | -34.00dB | 447 | -28.80dB | 511 | -25.60dB |

| Value | Data | Value | Data | Value | Data | Value | Data |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|---------|-------|---------|-------|---------|
| 512 | -25.55dB | 576 | -22.35dB | 640 | -19.15dB | 704 | -15.95dB | 768 | -12.75dB | 832 | -9.55dB | 896 | -6.35dB | 960 | -3.15dB |
| 513 | -25.50dB | 577 | -22.30dB | 641 | -19.10dB | 705 | -15.90dB | 769 | -12.70dB | 833 | -9.50dB | 897 | -6.30dB | 961 | -3.10dB |
| 514 | -25.45dB | 578 | -22.25dB | 642 | -19.05dB | 706 | -15.85dB | 770 | -12.65dB | 834 | -9.45dB | 898 | -6.25dB | 962 | -3.05dB |
| 515 | -25.40dB | 579 | -22.20dB | 643 | -19.00dB | 707 | -15.80dB | 771 | -12.60dB | 835 | -9.40dB | 899 | -6.20dB | 963 | -3.00dB |
| 516 | -25.35dB | 580 | -22.15dB | 644 | -18.95dB | 708 | -15.75dB | 772 | -12.55dB | 836 | -9.35dB | 900 | -6.15dB | 964 | -2.95dB |
| 517 | -25.30dB | 581 | -22.10dB | 645 | -18.90dB | 709 | -15.70dB | 773 | -12.50dB | 837 | -9.30dB | 901 | -6.10dB | 965 | -2.90dB |
| 518 | -25.25dB | 582 | -22.05dB | 646 | -18.85dB | 710 | -15.65dB | 774 | -12.45dB | 838 | -9.25dB | 902 | -6.05dB | 966 | -2.85dB |
| 519 | -25.20dB | 583 | -22.00dB | 647 | -18.80dB | 711 | -15.60dB | 775 | -12.40dB | 839 | -9.20dB | 903 | -6.00dB | 967 | -2.80dB |
| 520 | -25.15dB | 584 | -21.95dB | 648 | -18.75dB | 712 | -15.55dB | 776 | -12.35dB | 840 | -9.15dB | 904 | -5.95dB | 968 | -2.75dB |
| 521 | -25.10dB | 585 | -21.90dB | 649 | -18.70dB | 713 | -15.50dB | 777 | -12.30dB | 841 | -9.10dB | 905 | -5.90dB | 969 | -2.70dB |
| 522 | -25.05dB | 586 | -21.85dB | 650 | -18.65dB | 714 | -15.45dB | 778 | -12.25dB | 842 | -9.05dB | 906 | -5.85dB | 970 | -2.65dB |
| 523 | -25.00dB | 587 | -21.80dB | 651 | -18.60dB | 715 | -15.40dB | 779 | -12.20dB | 843 | -9.00dB | 907 | -5.80dB | 971 | -2.60dB |
| 524 | -24.95dB | 588 | -21.75dB | 652 | -18.55dB | 716 | -15.35dB | 780 | -12.15dB | 844 | -8.95dB | 908 | -5.75dB | 972 | -2.55dB |
| 525 | -24.90dB | 589 | -21.70dB | 653 | -18.50dB | 717 | -15.30dB | 781 | -12.10dB | 845 | -8.90dB | 909 | -5.70dB | 973 | -2.50dB |
| 526 | -24.85dB | 590 | -21.65dB | 654 | -18.45dB | 718 | -15.25dB | 782 | -12.05dB | 846 | -8.85dB | 910 | -5.65dB | 974 | -2.45dB |
| 527 | -24.80dB | 591 | -21.60dB | 655 | -18.40dB | 719 | -15.20dB | 783 | -12.00dB | 847 | -8.80dB | 911 | -5.60dB | 975 | -2.40dB |
| 528 | -24.75dB | 592 | -21.55dB | 656 | -18.35dB | 720 | -15.15dB | 784 | -11.95dB | 848 | -8.75dB | 912 | -5.55dB | 976 | -2.35dB |
| 529 | -24.70dB | 593 | -21.50dB | 657 | -18.30dB | 721 | -15.10dB | 785 | -11.90dB | 849 | -8.70dB | 913 | -5.50dB | 977 | -2.30dB |
| 530 | -24.65dB | 594 | -21.45dB | 658 | -18.25dB | 722 | -15.05dB | 786 | -11.85dB | 850 | -8.65dB | 914 | -5.45dB | 978 | -2.25dB |
| 531 | -24.60dB | 595 | -21.40dB | 659 | -18.20dB | 723 | -15.00dB | 787 | -11.80dB | 851 | -8.60dB | 915 | -5.40dB | 979 | -2.20dB |
| 532 | -24.55dB | 596 | -21.35dB | 660 | -18.15dB | 724 | -14.95dB | 788 | -11.75dB | 852 | -8.55dB | 916 | -5.35dB | 980 | -2.15dB |
| 533 | -24.50dB | 597 | -21.30dB | 661 | -18.10dB | 725 | -14.90dB | 789 | -11.70dB | 853 | -8.50dB | 917 | -5.30dB | 981 | -2.10dB |
| 534 | -24.45dB | 598 | -21.25dB | 662 | -18.05dB | 726 | -14.85dB | 790 | -11.65dB | 854 | -8.45dB | 918 | -5.25dB | 982 | -2.05dB |
| 535 | -24.40dB | 599 | -21.20dB | 663 | -18.00dB | 727 | -14.80dB | 791 | -11.60dB | 855 | -8.40dB | 919 | -5.20dB | 983 | -2.00dB |
| 536 | -24.35dB | 600 | -21.15dB | 664 | -17.95dB | 728 | -14.75dB | 792 | -11.55dB | 856 | -8.35dB | 920 | -5.15dB | 984 | -1.95dB |
| 537 | -24.30dB | 601 | -21.10dB | 665 | -17.90dB | 729 | -14.70dB | 793 | -11.50dB | 857 | -8.30dB | 921 | -5.10dB | 985 | -1.90dB |
| 538 | -24.25dB | 602 | -21.05dB | 666 | -17.85dB | 730 | -14.65dB | 794 | -11.45dB | 858 | -8.25dB | 922 | -5.05dB | 986 | -1.85dB |
| 539 | -24.20dB | 603 | -21.00dB | 667 | -17.80dB | 731 | -14.60dB | 795 | -11.40dB | 859 | -8.20dB | 923 | -5.00dB | 987 | -1.80dB |
| 540 | -24.15dB | 604 | -20.95dB | 668 | -17.75dB | 732 | -14.55dB | 796 | -11.35dB | 860 | -8.15dB | 924 | -4.95dB | 988 | -1.75dB |
| 541 | -24.10dB | 605 | -20.90dB | 669 | -17.70dB | 733 | -14.50dB | 797 | -11.30dB | 861 | -8.10dB | 925 | -4.90dB | 989 | -1.70dB |
| 542 | -24.05dB | 606 | -20.85dB | 670 | -17.65dB | 734 | -14.45dB | 798 | -11.25dB | 862 | -8.05dB | 926 | -4.85dB | 990 | -1.65dB |
| 543 | -24.00dB | 607 | -20.80dB | 671 | -17.60dB | 735 | -14.40dB | 799 | -11.20dB | 863 | -8.00dB | 927 | -4.80dB | 991 | -1.60dB |
| 544 | -23.95dB | 608 | -20.75dB | 672 | -17.55dB | 736 | -14.35dB | 800 | -11.15dB | 864 | -7.95dB | 928 | -4.75dB | 992 | -1.55dB |
| 545 | -23.90dB | 609 | -20.70dB | 673 | -17.50dB | 737 | -14.30dB | 801 | -11.10dB | 865 | -7.90dB | 929 | -4.70dB | 993 | -1.50dB |
| 546 | -23.85dB | 610 | -20.65dB | 674 | -17.45dB | 738 | -14.25dB | 802 | -11.05dB | 866 | -7.85dB | 930 | -4.65dB | 994 | -1.45dB |
| 547 | -23.80dB | 611 | -20.60dB | 675 | -17.40dB | 739 | -14.20dB | 803 | -11.00dB | 867 | -7.80dB | 931 | -4.60dB | 995 | -1.40dB |
| 548 | -23.75dB | 612 | -20.55dB | 676 | -17.35dB | 740 | -14.15dB | 804 | -10.95dB | 868 | -7.75dB | 932 | -4.55dB | 996 | -1.35dB |
| 549 | -23.70dB | 613 | -20.50dB | 677 | -17.30dB | 741 | -14.10dB | 805 | -10.90dB | 869 | -7.70dB | 933 | -4.50dB | 997 | -1.30dB |
| 550 | -23.65dB | 614 | -20.45dB | 678 | -17.25dB | 742 | -14.05dB | 806 | -10.85dB | 870 | -7.65dB | 934 | -4.45dB | 998 | -1.25dB |
| 551 | -23.60dB | 615 | -20.40dB | 679 | -17.20dB | 743 | -14.00dB | 807 | -10.80dB | 871 | -7.60dB | 935 | -4.40dB | 999 | -1.20dB |
| 552 | -23.55dB | 616 | -20.35dB | 680 | -17.15dB | 744 | -13.95dB | 808 | -10.75dB | 872 | -7.55dB | 936 | -4.35dB | 1000 | -1.15dB |
| 553 | -23.50dB | 617 | -20.30dB | 681 | -17.10dB | 745 | -13.90dB | 809 | -10.70dB | 873 | -7.50dB | 937 | -4.30dB | 1001 | -1.10dB |
| 554 | -23.45dB | 618 | -20.25dB | 682 | -17.05dB | 746 | -13.85dB | 810 | -10.65dB | 874 | -7.45dB | 938 | -4.25dB | 1002 | -1.05dB |
| 555 | -23.40dB | 619 | -20.20dB | 683 | -17.00dB | 747 | -13.80dB | 811 | -10.60dB | 875 | -7.40dB | 939 | -4.20dB | 1003 | -1.00dB |
| 556 | -23.35dB | 620 | -20.15dB | 684 | -16.95dB | 748 | -13.75dB | 812 | -10.55dB | 876 | -7.35dB | 940 | -4.15dB | 1004 | -0.95dB |
| 557 | -23.30dB | 621 | -20.10dB | 685 | -16.90dB | 749 | -13.70dB | 813 | -10.50dB | 877 | -7.30dB | 941 | -4.10dB | 1005 | -0.90dB |
| 558 | -23.25dB | 622 | -20.05dB | 686 | -16.85dB | 750 | -13.65dB | 814 | -10.45dB | 878 | -7.25dB | 942 | -4.05dB | 1006 | -0.85dB |
| 559 | -23.20dB | 623 | -20.00dB | 687 | -16.80dB | 751 | -13.60dB | 815 | -10.40dB | 879 | -7.20dB | 943 | -4.00dB | 1007 | -0.80dB |
| 560 | -23.15dB | 624 | -19.95dB | 688 | -16.75dB | 752 | -13.55dB | 816 | -10.35dB | 880 | -7.15dB | 944 | -3.95dB | 1008 | -0.75dB |
| 561 | -23.10dB | 625 | -19.90dB | 689 | -16.70dB | 753 | -13.50dB | 817 | -10.30dB | 881 | -7.10dB | 945 | -3.90dB | 1009 | -0.70dB |
| 562 | -23.05dB | 626 | -19.85dB | 690 | -16.65dB | 754 | -13.45dB | 818 | -10.25dB | 882 | -7.05dB | 946 | -3.85dB | 1010 | -0.65dB |
| 563 | -23.00dB | 627 | -19.80dB | 691 | -16.60dB | 755 | -13.40dB | 819 | -10.20dB | 883 | -7.00dB | 947 | -3.80dB | 1011 | -0.60dB |
| 564 | -22.95dB | 628 | -19.75dB | 692 | -16.55dB | 756 | -13.35dB | 820 | -10.15dB | 884 | -6.95dB | 948 | -3.75dB | 1012 | -0.55dB |
| 565 | -22.90dB | 629 | -19.70dB | 693 | -16.50dB | 757 | -13.30dB | 821 | -10.10dB | 885 | -6.90dB | 949 | -3.70dB | 1013 | -0.50dB |
| 566 | -22.85dB | 630 | -19.65dB | 694 | -16.45dB | 758 | -13.25dB | 822 | -10.05dB | 886 | -6.85dB | 950 | -3.65dB | 1014 | -0.45dB |
| 567 | -22.80dB | 631 | -19.60dB | 695 | -16.40dB | 759 | -13.20dB | 823 | -10.00dB | 887 | -6.80dB | 951 | -3.60dB | 1015 | -0.40dB |
| 568 | -22.75dB | 632 | -19.55dB | 696 | -16.35dB | 760 | -13.15dB | 824 | -9.95dB | 888 | -6.75dB | 952 | -3.55dB | 1016 | -0.35dB |
| 569 | -22.70dB | 633 | -19.50dB | 697 | -16.30dB | 761 | -13.10dB | 825 | -9.90dB | 889 | -6.70dB | 953 | -3.50dB | 1017 | -0.30dB |
| 570 | -22.65dB | 634 | -19.45dB | 698 | -16.25dB | 762 | -13.05dB | 826 | -9.85dB | 890 | -6.65dB | 954 | -3.45dB | 1018 | -0.25dB |
| 571 | -22.60dB | 635 | -19.40dB | 699 | -16.20dB | 763 | -13.00dB | 827 | -9.80dB | 891 | -6.60dB | 955 | -3.40dB | 1019 | -0.20dB |
| 572 | -22.55dB | 636 | -19.35dB | 700 | -16.15dB | 764 | -12.95dB | 828 | -9.75dB | 892 | -6.55dB | 956 | -3.35dB | 1020 | -0.15dB |
| 573 | -22.50dB | 637 | -19.30dB | 701 | -16.10dB | 765 | -12.90dB | 829 | -9.70dB | 893 | -6.50dB | 957 | -3.30dB | 1021 | -0.10dB |
| 574 | -22.45dB | 638 | -19.25dB | 702 | -16.05dB | 766 | -12.85dB | 830 | -9.65dB | 894 | -6.45dB | 958 | -3.25dB | 1022 | -0.05dB |
| 575 | -22.40dB | 639 | -19.20dB | 703 | -16.00dB | 767 | -12.80dB | 831 | -9.60dB | 895 | -6.40dB | 959 | -3.20dB | 1023 | 0.00dB |



A Fader Table of -∞ to 10 dB

| Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data |
|-------|-----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 0 | -InfdB | 64 | -71.80dB | 128 | -59.00dB | 192 | -46.20dB | 256 | -36.70dB | 320 | -30.30dB | 384 | -23.90dB | 448 | -18.75dB |
| 1 | -138.00dB | 65 | -71.60dB | 129 | -58.80dB | 193 | -46.00dB | 257 | -36.60dB | 321 | -30.20dB | 385 | -23.80dB | 449 | -18.70dB |
| 2 | -135.00dB | 66 | -71.40dB | 130 | -58.60dB | 194 | -45.80dB | 258 | -36.50dB | 322 | -30.10dB | 386 | -23.70dB | 450 | -18.65dB |
| 3 | -132.00dB | 67 | -71.20dB | 131 | -58.40dB | 195 | -45.60dB | 259 | -36.40dB | 323 | -30.00dB | 387 | -23.60dB | 451 | -18.60dB |
| 4 | -129.00dB | 68 | -71.00dB | 132 | -58.20dB | 196 | -45.40dB | 260 | -36.30dB | 324 | -29.90dB | 388 | -23.50dB | 452 | -18.55dB |
| 5 | -126.00dB | 69 | -70.80dB | 133 | -58.00dB | 197 | -45.20dB | 261 | -36.20dB | 325 | -29.80dB | 389 | -23.40dB | 453 | -18.50dB |
| 6 | -123.00dB | 70 | -70.60dB | 134 | -57.80dB | 198 | -45.00dB | 262 | -36.10dB | 326 | -29.70dB | 390 | -23.30dB | 454 | -18.45dB |
| 7 | -120.00dB | 71 | -70.40dB | 135 | -57.60dB | 199 | -44.80dB | 263 | -36.00dB | 327 | -29.60dB | 391 | -23.20dB | 455 | -18.40dB |
| 8 | -117.00dB | 72 | -70.20dB | 136 | -57.40dB | 200 | -44.60dB | 264 | -35.90dB | 328 | -29.50dB | 392 | -23.10dB | 456 | -18.35dB |
| 9 | -114.00dB | 73 | -70.00dB | 137 | -57.20dB | 201 | -44.40dB | 265 | -35.80dB | 329 | -29.40dB | 393 | -23.00dB | 457 | -18.30dB |
| 10 | -111.00dB | 74 | -69.80dB | 138 | -57.00dB | 202 | -44.20dB | 266 | -35.70dB | 330 | -29.30dB | 394 | -22.90dB | 458 | -18.25dB |
| 11 | -108.00dB | 75 | -69.60dB | 139 | -56.80dB | 203 | -44.00dB | 267 | -35.60dB | 331 | -29.20dB | 395 | -22.80dB | 459 | -18.20dB |
| 12 | -105.00dB | 76 | -69.40dB | 140 | -56.60dB | 204 | -43.80dB | 268 | -35.50dB | 332 | -29.10dB | 396 | -22.70dB | 460 | -18.15dB |
| 13 | -102.00dB | 77 | -69.20dB | 141 | -56.40dB | 205 | -43.60dB | 269 | -35.40dB | 333 | -29.00dB | 397 | -22.60dB | 461 | -18.10dB |
| 14 | -99.00dB | 78 | -69.00dB | 142 | -56.20dB | 206 | -43.40dB | 270 | -35.30dB | 334 | -28.90dB | 398 | -22.50dB | 462 | -18.05dB |
| 15 | -96.00dB | 79 | -68.80dB | 143 | -56.00dB | 207 | -43.20dB | 271 | -35.20dB | 335 | -28.80dB | 399 | -22.40dB | 463 | -18.00dB |
| 16 | -95.00dB | 80 | -68.60dB | 144 | -55.80dB | 208 | -43.00dB | 272 | -35.10dB | 336 | -28.70dB | 400 | -22.30dB | 464 | -17.95dB |
| 17 | -94.00dB | 81 | -68.40dB | 145 | -55.60dB | 209 | -42.80dB | 273 | -35.00dB | 337 | -28.60dB | 401 | -22.20dB | 465 | -17.90dB |
| 18 | -93.00dB | 82 | -68.20dB | 146 | -55.40dB | 210 | -42.60dB | 274 | -34.90dB | 338 | -28.50dB | 402 | -22.10dB | 466 | -17.85dB |
| 19 | -92.00dB | 83 | -68.00dB | 147 | -55.20dB | 211 | -42.40dB | 275 | -34.80dB | 339 | -28.40dB | 403 | -22.00dB | 467 | -17.80dB |
| 20 | -91.00dB | 84 | -67.80dB | 148 | -55.00dB | 212 | -42.20dB | 276 | -34.70dB | 340 | -28.30dB | 404 | -21.90dB | 468 | -17.75dB |
| 21 | -90.00dB | 85 | -67.60dB | 149 | -54.80dB | 213 | -42.00dB | 277 | -34.60dB | 341 | -28.20dB | 405 | -21.80dB | 469 | -17.70dB |
| 22 | -89.00dB | 86 | -67.40dB | 150 | -54.60dB | 214 | -41.80dB | 278 | -34.50dB | 342 | -28.10dB | 406 | -21.70dB | 470 | -17.65dB |
| 23 | -88.00dB | 87 | -67.20dB | 151 | -54.40dB | 215 | -41.60dB | 279 | -34.40dB | 343 | -28.00dB | 407 | -21.60dB | 471 | -17.60dB |
| 24 | -87.00dB | 88 | -67.00dB | 152 | -54.20dB | 216 | -41.40dB | 280 | -34.30dB | 344 | -27.90dB | 408 | -21.50dB | 472 | -17.55dB |
| 25 | -86.00dB | 89 | -66.80dB | 153 | -54.00dB | 217 | -41.20dB | 281 | -34.20dB | 345 | -27.80dB | 409 | -21.40dB | 473 | -17.50dB |
| 26 | -85.00dB | 90 | -66.60dB | 154 | -53.80dB | 218 | -41.00dB | 282 | -34.10dB | 346 | -27.70dB | 410 | -21.30dB | 474 | -17.45dB |
| 27 | -84.00dB | 91 | -66.40dB | 155 | -53.60dB | 219 | -40.80dB | 283 | -34.00dB | 347 | -27.60dB | 411 | -21.20dB | 475 | -17.40dB |
| 28 | -83.00dB | 92 | -66.20dB | 156 | -53.40dB | 220 | -40.60dB | 284 | -33.90dB | 348 | -27.50dB | 412 | -21.10dB | 476 | -17.35dB |
| 29 | -82.00dB | 93 | -66.00dB | 157 | -53.20dB | 221 | -40.40dB | 285 | -33.80dB | 349 | -27.40dB | 413 | -21.00dB | 477 | -17.30dB |
| 30 | -81.00dB | 94 | -65.80dB | 158 | -53.00dB | 222 | -40.20dB | 286 | -33.70dB | 350 | -27.30dB | 414 | -20.90dB | 478 | -17.25dB |
| 31 | -80.00dB | 95 | -65.60dB | 159 | -52.80dB | 223 | -40.00dB | 287 | -33.60dB | 351 | -27.20dB | 415 | -20.80dB | 479 | -17.20dB |
| 32 | -79.00dB | 96 | -65.40dB | 160 | -52.60dB | 224 | -39.90dB | 288 | -33.50dB | 352 | -27.10dB | 416 | -20.70dB | 480 | -17.15dB |
| 33 | -78.00dB | 97 | -65.20dB | 161 | -52.40dB | 225 | -39.80dB | 289 | -33.40dB | 353 | -27.00dB | 417 | -20.60dB | 481 | -17.10dB |
| 34 | -77.80dB | 98 | -65.00dB | 162 | -52.20dB | 226 | -39.70dB | 290 | -33.30dB | 354 | -26.90dB | 418 | -20.50dB | 482 | -17.05dB |
| 35 | -77.60dB | 99 | -64.80dB | 163 | -52.00dB | 227 | -39.60dB | 291 | -33.20dB | 355 | -26.80dB | 419 | -20.40dB | 483 | -17.00dB |
| 36 | -77.40dB | 100 | -64.60dB | 164 | -51.80dB | 228 | -39.50dB | 292 | -33.10dB | 356 | -26.70dB | 420 | -20.30dB | 484 | -16.95dB |
| 37 | -77.20dB | 101 | -64.40dB | 165 | -51.60dB | 229 | -39.40dB | 293 | -33.00dB | 357 | -26.60dB | 421 | -20.20dB | 485 | -16.90dB |
| 38 | -77.00dB | 102 | -64.20dB | 166 | -51.40dB | 230 | -39.30dB | 294 | -32.90dB | 358 | -26.50dB | 422 | -20.10dB | 486 | -16.85dB |
| 39 | -76.80dB | 103 | -64.00dB | 167 | -51.20dB | 231 | -39.20dB | 295 | -32.80dB | 359 | -26.40dB | 423 | -20.00dB | 487 | -16.80dB |
| 40 | -76.60dB | 104 | -63.80dB | 168 | -51.00dB | 232 | -39.10dB | 296 | -32.70dB | 360 | -26.30dB | 424 | -19.95dB | 488 | -16.75dB |
| 41 | -76.40dB | 105 | -63.60dB | 169 | -50.80dB | 233 | -39.00dB | 297 | -32.60dB | 361 | -26.20dB | 425 | -19.90dB | 489 | -16.70dB |
| 42 | -76.20dB | 106 | -63.40dB | 170 | -50.60dB | 234 | -38.90dB | 298 | -32.50dB | 362 | -26.10dB | 426 | -19.85dB | 490 | -16.65dB |
| 43 | -76.00dB | 107 | -63.20dB | 171 | -50.40dB | 235 | -38.80dB | 299 | -32.40dB | 363 | -26.00dB | 427 | -19.80dB | 491 | -16.60dB |
| 44 | -75.80dB | 108 | -63.00dB | 172 | -50.20dB | 236 | -38.70dB | 300 | -32.30dB | 364 | -25.90dB | 428 | -19.75dB | 492 | -16.55dB |
| 45 | -75.60dB | 109 | -62.80dB | 173 | -50.00dB | 237 | -38.60dB | 301 | -32.20dB | 365 | -25.80dB | 429 | -19.70dB | 493 | -16.50dB |
| 46 | -75.40dB | 110 | -62.60dB | 174 | -49.80dB | 238 | -38.50dB | 302 | -32.10dB | 366 | -25.70dB | 430 | -19.65dB | 494 | -16.45dB |
| 47 | -75.20dB | 111 | -62.40dB | 175 | -49.60dB | 239 | -38.40dB | 303 | -32.00dB | 367 | -25.60dB | 431 | -19.60dB | 495 | -16.40dB |
| 48 | -75.00dB | 112 | -62.20dB | 176 | -49.40dB | 240 | -38.30dB | 304 | -31.90dB | 368 | -25.50dB | 432 | -19.55dB | 496 | -16.35dB |
| 49 | -74.80dB | 113 | -62.00dB | 177 | -49.20dB | 241 | -38.20dB | 305 | -31.80dB | 369 | -25.40dB | 433 | -19.50dB | 497 | -16.30dB |
| 50 | -74.60dB | 114 | -61.80dB | 178 | -49.00dB | 242 | -38.10dB | 306 | -31.70dB | 370 | -25.30dB | 434 | -19.45dB | 498 | -16.25dB |
| 51 | -74.40dB | 115 | -61.60dB | 179 | -48.80dB | 243 | -38.00dB | 307 | -31.60dB | 371 | -25.20dB | 435 | -19.40dB | 499 | -16.20dB |
| 52 | -74.20dB | 116 | -61.40dB | 180 | -48.60dB | 244 | -37.90dB | 308 | -31.50dB | 372 | -25.10dB | 436 | -19.35dB | 500 | -16.15dB |
| 53 | -74.00dB | 117 | -61.20dB | 181 | -48.40dB | 245 | -37.80dB | 309 | -31.40dB | 373 | -25.00dB | 437 | -19.30dB | 501 | -16.10dB |
| 54 | -73.80dB | 118 | -61.00dB | 182 | -48.20dB | 246 | -37.70dB | 310 | -31.30dB | 374 | -24.90dB | 438 | -19.25dB | 502 | -16.05dB |
| 55 | -73.60dB | 119 | -60.80dB | 183 | -48.00dB | 247 | -37.60dB | 311 | -31.20dB | 375 | -24.80dB | 439 | -19.20dB | 503 | -16.00dB |
| 56 | -73.40dB | 120 | -60.60dB | 184 | -47.80dB | 248 | -37.50dB | 312 | -31.10dB | 376 | -24.70dB | 440 | -19.15dB | 504 | -15.95dB |
| 57 | -73.20dB | 121 | -60.40dB | 185 | -47.60dB | 249 | -37.40dB | 313 | -31.00dB | 377 | -24.60dB | 441 | -19.10dB | 505 | -15.90dB |
| 58 | -73.00dB | 122 | -60.20dB | 186 | -47.40dB | 250 | -37.30dB | 314 | -30.90dB | 378 | -24.50dB | 442 | -19.05dB | 506 | -15.85dB |
| 59 | -72.80dB | 123 | -60.00dB | 187 | -47.20dB | 251 | -37.20dB | 315 | -30.80dB | 379 | -24.40dB | 443 | -19.00dB | 507 | -15.80dB |
| 60 | -72.60dB | 124 | -59.80dB | 188 | -47.00dB | 252 | -37.10dB | 316 | -30.70dB | 380 | -24.30dB | 444 | -18.95dB | 508 | -15.75dB |
| 61 | -72.40dB | 125 | -59.60dB | 189 | -46.80dB | 253 | -37.00dB | 317 | -30.60dB | 381 | -24.20dB | 445 | -18.90dB | 509 | -15.70dB |
| 62 | -72.20dB | 126 | -59.40dB | 190 | -46.60dB | 254 | -36.90dB | 318 | -30.50dB | 382 | -24.10dB | 446 | -18.85dB | 510 | -15.65dB |
| 63 | -72.00dB | 127 | -59.20dB | 191 | -46.40dB | 255 | -36.80dB | 319 | -30.40dB | 383 | -24.00dB | 447 | -18.80dB | 511 | -15.60dB |

| Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data | Value | Data |
|-------|----------|-------|----------|-------|---------|-------|---------|-------|---------|-------|--------|-------|--------|-------|---------|
| 512 | -15.55dB | 576 | -12.35dB | 640 | -9.15dB | 704 | -5.95dB | 768 | -2.75dB | 832 | 0.45dB | 896 | 3.65dB | 960 | 6.85dB |
| 513 | -15.50dB | 577 | -12.30dB | 641 | -9.10dB | 705 | -5.90dB | 769 | -2.70dB | 833 | 0.50dB | 897 | 3.70dB | 961 | 6.90dB |
| 514 | -15.45dB | 578 | -12.25dB | 642 | -9.05dB | 706 | -5.85dB | 770 | -2.65dB | 834 | 0.55dB | 898 | 3.75dB | 962 | 6.95dB |
| 515 | -15.40dB | 579 | -12.20dB | 643 | -9.00dB | 707 | -5.80dB | 771 | -2.60dB | 835 | 0.60dB | 899 | 3.80dB | 963 | 7.00dB |
| 516 | -15.35dB | 580 | -12.15dB | 644 | -8.95dB | 708 | -5.75dB | 772 | -2.55dB | 836 | 0.65dB | 900 | 3.85dB | 964 | 7.05dB |
| 517 | -15.30dB | 581 | -12.10dB | 645 | -8.90dB | 709 | -5.70dB | 773 | -2.50dB | 837 | 0.70dB | 901 | 3.90dB | 965 | 7.10dB |
| 518 | -15.25dB | 582 | -12.05dB | 646 | -8.85dB | 710 | -5.65dB | 774 | -2.45dB | 838 | 0.75dB | 902 | 3.95dB | 966 | 7.15dB |
| 519 | -15.20dB | 583 | -12.00dB | 647 | -8.80dB | 711 | -5.60dB | 775 | -2.40dB | 839 | 0.80dB | 903 | 4.00dB | 967 | 7.20dB |
| 520 | -15.15dB | 584 | -11.95dB | 648 | -8.75dB | 712 | -5.55dB | 776 | -2.35dB | 840 | 0.85dB | 904 | 4.05dB | 968 | 7.25dB |
| 521 | -15.10dB | 585 | -11.90dB | 649 | -8.70dB | 713 | -5.50dB | 777 | -2.30dB | 841 | 0.90dB | 905 | 4.10dB | 969 | 7.30dB |
| 522 | -15.05dB | 586 | -11.85dB | 650 | -8.65dB | 714 | -5.45dB | 778 | -2.25dB | 842 | 0.95dB | 906 | 4.15dB | 970 | 7.35dB |
| 523 | -15.00dB | 587 | -11.80dB | 651 | -8.60dB | 715 | -5.40dB | 779 | -2.20dB | 843 | 1.00dB | 907 | 4.20dB | 971 | 7.40dB |
| 524 | -14.95dB | 588 | -11.75dB | 652 | -8.55dB | 716 | -5.35dB | 780 | -2.15dB | 844 | 1.05dB | 908 | 4.25dB | 972 | 7.45dB |
| 525 | -14.90dB | 589 | -11.70dB | 653 | -8.50dB | 717 | -5.30dB | 781 | -2.10dB | 845 | 1.10dB | 909 | 4.30dB | 973 | 7.50dB |
| 526 | -14.85dB | 590 | -11.65dB | 654 | -8.45dB | 718 | -5.25dB | 782 | -2.05dB | 846 | 1.15dB | 910 | 4.35dB | 974 | 7.55dB |
| 527 | -14.80dB | 591 | -11.60dB | 655 | -8.40dB | 719 | -5.20dB | 783 | -2.00dB | 847 | 1.20dB | 911 | 4.40dB | 975 | 7.60dB |
| 528 | -14.75dB | 592 | -11.55dB | 656 | -8.35dB | 720 | -5.15dB | 784 | -1.95dB | 848 | 1.25dB | 912 | 4.45dB | 976 | 7.65dB |
| 529 | -14.70dB | 593 | -11.50dB | 657 | -8.30dB | 721 | -5.10dB | 785 | -1.90dB | 849 | 1.30dB | 913 | 4.50dB | 977 | 7.70dB |
| 530 | -14.65dB | 594 | -11.45dB | 658 | -8.25dB | 722 | -5.05dB | 786 | -1.85dB | 850 | 1.35dB | 914 | 4.55dB | 978 | 7.75dB |
| 531 | -14.60dB | 595 | -11.40dB | 659 | -8.20dB | 723 | -5.00dB | 787 | -1.80dB | 851 | 1.40dB | 915 | 4.60dB | 979 | 7.80dB |
| 532 | -14.55dB | 596 | -11.35dB | 660 | -8.15dB | 724 | -4.95dB | 788 | -1.75dB | 852 | 1.45dB | 916 | 4.65dB | 980 | 7.85dB |
| 533 | -14.50dB | 597 | -11.30dB | 661 | -8.10dB | 725 | -4.90dB | 789 | -1.70dB | 853 | 1.50dB | 917 | 4.70dB | 981 | 7.90dB |
| 534 | -14.45dB | 598 | -11.25dB | 662 | -8.05dB | 726 | -4.85dB | 790 | -1.65dB | 854 | 1.55dB | 918 | 4.75dB | 982 | 7.95dB |
| 535 | -14.40dB | 599 | -11.20dB | 663 | -8.00dB | 727 | -4.80dB | 791 | -1.60dB | 855 | 1.60dB | 919 | 4.80dB | 983 | 8.00dB |
| 536 | -14.35dB | 600 | -11.15dB | 664 | -7.95dB | 728 | -4.75dB | 792 | -1.55dB | 856 | 1.65dB | 920 | 4.85dB | 984 | 8.05dB |
| 537 | -14.30dB | 601 | -11.10dB | 665 | -7.90dB | 729 | -4.70dB | 793 | -1.50dB | 857 | 1.70dB | 921 | 4.90dB | 985 | 8.10dB |
| 538 | -14.25dB | 602 | -11.05dB | 666 | -7.85dB | 730 | -4.65dB | 794 | -1.45dB | 858 | 1.75dB | 922 | 4.95dB | 986 | 8.15dB |
| 539 | -14.20dB | 603 | -11.00dB | 667 | -7.80dB | 731 | -4.60dB | 795 | -1.40dB | 859 | 1.80dB | 923 | 5.00dB | 987 | 8.20dB |
| 540 | -14.15dB | 604 | -10.95dB | 668 | -7.75dB | 732 | -4.55dB | 796 | -1.35dB | 860 | 1.85dB | 924 | 5.05dB | 988 | 8.25dB |
| 541 | -14.10dB | 605 | -10.90dB | 669 | -7.70dB | 733 | -4.50dB | 797 | -1.30dB | 861 | 1.90dB | 925 | 5.10dB | 989 | 8.30dB |
| 542 | -14.05dB | 606 | -10.85dB | 670 | -7.65dB | 734 | -4.45dB | 798 | -1.25dB | 862 | 1.95dB | 926 | 5.15dB | 990 | 8.35dB |
| 543 | -14.00dB | 607 | -10.80dB | 671 | -7.60dB | 735 | -4.40dB | 799 | -1.20dB | 863 | 2.00dB | 927 | 5.20dB | 991 | 8.40dB |
| 544 | -13.95dB | 608 | -10.75dB | 672 | -7.55dB | 736 | -4.35dB | 800 | -1.15dB | 864 | 2.05dB | 928 | 5.25dB | 992 | 8.45dB |
| 545 | -13.90dB | 609 | -10.70dB | 673 | -7.50dB | 737 | -4.30dB | 801 | -1.10dB | 865 | 2.10dB | 929 | 5.30dB | 993 | 8.50dB |
| 546 | -13.85dB | 610 | -10.65dB | 674 | -7.45dB | 738 | -4.25dB | 802 | -1.05dB | 866 | 2.15dB | 930 | 5.35dB | 994 | 8.55dB |
| 547 | -13.80dB | 611 | -10.60dB | 675 | -7.40dB | 739 | -4.20dB | 803 | -1.00dB | 867 | 2.20dB | 931 | 5.40dB | 995 | 8.60dB |
| 548 | -13.75dB | 612 | -10.55dB | 676 | -7.35dB | 740 | -4.15dB | 804 | -0.95dB | 868 | 2.25dB | 932 | 5.45dB | 996 | 8.65dB |
| 549 | -13.70dB | 613 | -10.50dB | 677 | -7.30dB | 741 | -4.10dB | 805 | -0.90dB | 869 | 2.30dB | 933 | 5.50dB | 997 | 8.70dB |
| 550 | -13.65dB | 614 | -10.45dB | 678 | -7.25dB | 742 | -4.05dB | 806 | -0.85dB | 870 | 2.35dB | 934 | 5.55dB | 998 | 8.75dB |
| 551 | -13.60dB | 615 | -10.40dB | 679 | -7.20dB | 743 | -4.00dB | 807 | -0.80dB | 871 | 2.40dB | 935 | 5.60dB | 999 | 8.80dB |
| 552 | -13.55dB | 616 | -10.35dB | 680 | -7.15dB | 744 | -3.95dB | 808 | -0.75dB | 872 | 2.45dB | 936 | 5.65dB | 1000 | 8.85dB |
| 553 | -13.50dB | 617 | -10.30dB | 681 | -7.10dB | 745 | -3.90dB | 809 | -0.70dB | 873 | 2.50dB | 937 | 5.70dB | 1001 | 8.90dB |
| 554 | -13.45dB | 618 | -10.25dB | 682 | -7.05dB | 746 | -3.85dB | 810 | -0.65dB | 874 | 2.55dB | 938 | 5.75dB | 1002 | 8.95dB |
| 555 | -13.40dB | 619 | -10.20dB | 683 | -7.00dB | 747 | -3.80dB | 811 | -0.60dB | 875 | 2.60dB | 939 | 5.80dB | 1003 | 9.00dB |
| 556 | -13.35dB | 620 | -10.15dB | 684 | -6.95dB | 748 | -3.75dB | 812 | -0.55dB | 876 | 2.65dB | 940 | 5.85dB | 1004 | 9.05dB |
| 557 | -13.30dB | 621 | -10.10dB | 685 | -6.90dB | 749 | -3.70dB | 813 | -0.50dB | 877 | 2.70dB | 941 | 5.90dB | 1005 | 9.10dB |
| 558 | -13.25dB | 622 | -10.05dB | 686 | -6.85dB | 750 | -3.65dB | 814 | -0.45dB | 878 | 2.75dB | 942 | 5.95dB | 1006 | 9.15dB |
| 559 | -13.20dB | 623 | -10.00dB | 687 | -6.80dB | 751 | -3.60dB | 815 | -0.40dB | 879 | 2.80dB | 943 | 6.00dB | 1007 | 9.20dB |
| 560 | -13.15dB | 624 | -9.95dB | 688 | -6.75dB | 752 | -3.55dB | 816 | -0.35dB | 880 | 2.85dB | 944 | 6.05dB | 1008 | 9.25dB |
| 561 | -13.10dB | 625 | -9.90dB | 689 | -6.70dB | 753 | -3.50dB | 817 | -0.30dB | 881 | 2.90dB | 945 | 6.10dB | 1009 | 9.30dB |
| 562 | -13.05dB | 626 | -9.85dB | 690 | -6.65dB | 754 | -3.45dB | 818 | -0.25dB | 882 | 2.95dB | 946 | 6.15dB | 1010 | 9.35dB |
| 563 | -13.00dB | 627 | -9.80dB | 691 | -6.60dB | 755 | -3.40dB | 819 | -0.20dB | 883 | 3.00dB | 947 | 6.20dB | 1011 | 9.40dB |
| 564 | -12.95dB | 628 | -9.75dB | 692 | -6.55dB | 756 | -3.35dB | 820 | -0.15dB | 884 | 3.05dB | 948 | 6.25dB | 1012 | 9.45dB |
| 565 | -12.90dB | 629 | -9.70dB | 693 | -6.50dB | 757 | -3.30dB | 821 | -0.10dB | 885 | 3.10dB | 949 | 6.30dB | 1013 | 9.50dB |
| 566 | -12.85dB | 630 | -9.65dB | 694 | -6.45dB | 758 | -3.25dB | 822 | -0.05dB | 886 | 3.15dB | 950 | 6.35dB | 1014 | 9.55dB |
| 567 | -12.80dB | 631 | -9.60dB | 695 | -6.40dB | 759 | -3.20dB | 823 | 0.00dB | 887 | 3.20dB | 951 | 6.40dB | 1015 | 9.60dB |
| 568 | -12.75dB | 632 | -9.55dB | 696 | -6.35dB | 760 | -3.15dB | 824 | 0.05dB | 888 | 3.25dB | 952 | 6.45dB | 1016 | 9.65dB |
| 569 | -12.70dB | 633 | -9.50dB | 697 | -6.30dB | 761 | -3.10dB | 825 | 0.10dB | 889 | 3.30dB | 953 | 6.50dB | 1017 | 9.70dB |
| 570 | -12.65dB | 634 | -9.45dB | 698 | -6.25dB | 762 | -3.05dB | 826 | 0.15dB | 890 | 3.35dB | 954 | 6.55dB | 1018 | 9.75dB |
| 571 | -12.60dB | 635 | -9.40dB | 699 | -6.20dB | 763 | -3.00dB | 827 | 0.20dB | 891 | 3.40dB | 955 | 6.60dB | 1019 | 9.80dB |
| 572 | -12.55dB | 636 | -9.35dB | 700 | -6.15dB | 764 | -2.95dB | 828 | 0.25dB | 892 | 3.45dB | 956 | 6.65dB | 1020 | 9.85dB |
| 573 | -12.50dB | 637 | -9.30dB | 701 | -6.10dB | 765 | -2.90dB | 829 | 0.30dB | 893 | 3.50dB | 957 | 6.70dB | 1021 | 9.90dB |
| 574 | -12.45dB | 638 | -9.25dB | 702 | -6.05dB | 766 | -2.85dB | 830 | 0.35dB | 894 | 3.55dB | 958 | 6.75dB | 1022 | 9.95dB |
| 575 | -12.40dB | 639 | -9.20dB | 703 | -6.00dB | 767 | -2.80dB | 831 | 0.40dB | 895 | 3.60dB | 959 | 6.80dB | 1023 | 10.00dB |