2015-05

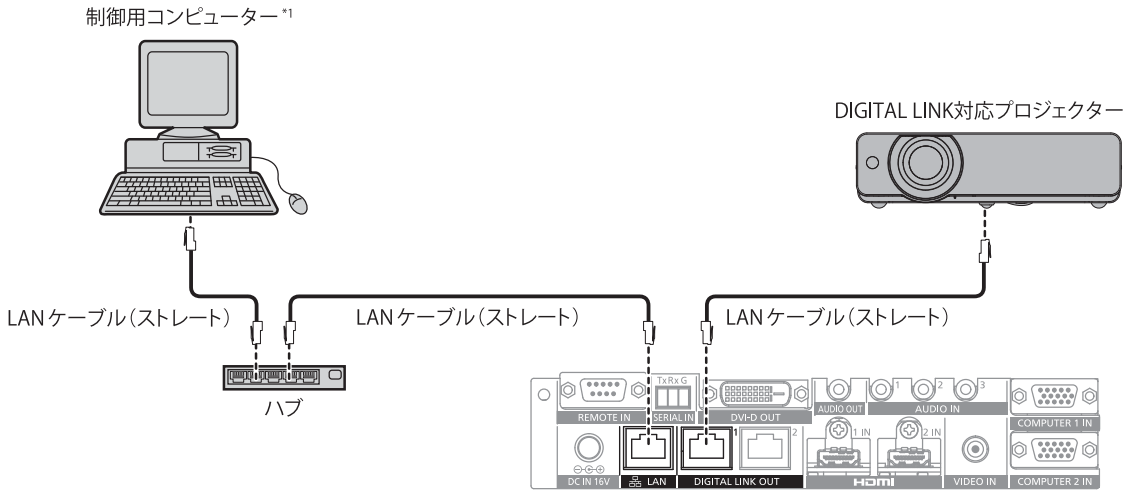
Control Commands

Model No. **ET-YFB200**

パナソニック株式会社 ビジュアルシステム事業部

1. LAN 経由の制御コマンドについて

接続例



*1 本機およびディスプレイ（プロジェクターやフラットパネルディスプレイ）本体を制御します。

お願い

- 本機に直接接続する LAN ケーブルは、屋内だけで配線してください。
- 本機と DIGITAL　LINK 対応ディスプレイ（プロジェクターやフラットパネルディスプレイ）の間には、ハブを使用しないでください。
- 本機と DIGITAL　LINK 対応ディスプレイ（プロジェクターやフラットパネルディスプレイ）の間の LAN ケーブルは、次の条件に適合したケーブルをお使いください。
  - CAT5e　以上の規格に適合
  - シールドタイプ（コネクターを含む）
  - ストレート結線
  - 単線

WEB 制御アドミニストレーター権限パスワード設定時（プロテクトモード）

接続方法

1) ディスプレイ（プロジェクターやフラットパネルディスプレイ）の IP アドレスとポート番号（初期設定値=1024）を取得してディスプレイへ接続を要求する

- IP アドレス、ポート番号は共にディスプレイ本体のメニュー画面から取得できます。

IP アドレス	メニューの［その他の設定］→［ネットワーク］→［ネットワークステータス］から取得
ポート番号	メニューの［その他の設定］→［ネットワーク］→［ネットワークコントロール］→［コマンドポート］から取得

2) ディスプレイからの応答を確認する

	データ部	空白	モード	空白	乱数部	終端記号
コマンド例	“NTCONTROL” （ASCII 文字列）	‘ ’ 0x20	‘1’ 0x31	‘ ’ 0x20	“zzzzzzzz” （ASCII コード 16 進数）	（CR） 0x0d
データ長	9 bytes	1 byte	1 byte	1 byte	8 bytes	1 byte

- モード：1= プロテクトモード
- 例）プロテクトモード時の応答（乱数部は不定値）
  “NTCONTROL 1 23181e1e”（CR）

3) MD5 アルゴリズムを用いて以下のデータから 32 バイトのハッシュ値を生成する

- “xxxxxx:yyyyy:zzzzzzzz”

xxxxxx	WEB 制御のアドミニストレーター権限ユーザー名（デフォルトのユーザー名は “admin1”）
yyyyy	上記アドミニストレーター権限ユーザーのパスワード（デフォルトのパスワードは “panasonic”）
zzzzzzzz	手順 **2)** で取得した 8 バイトの乱数

コマンド送信方法

以下のコマンド形式で送信してください。

■ 送信データ

	ヘッダー			データ部	終端記号
コマンド例	ハッシュ値 “接続方法”（☞ 78 ページ）	‘0’ 0x30	‘0’ 0x30	制御コマンド （ASCII 文字列）	（CR） 0x0d
データ長	32 bytes	1 byte	1 byte	不定長	1 byte

- 例）電源状態取得コマンドの送信（ハッシュ値はデフォルトのユーザー名、パスワードおよび取得した乱数より算出）
  “dbdd2dabd3d4d68c5dd970ec0c29fa6400QPW”（CR）

■ 受信データ

	ヘッダー		データ部	終端記号
コマンド例	‘0’ 0x30	‘0’ 0x30	制御コマンド （ASCII 文字列）	（CR） 0x0d
データ長	1 byte	1 byte	不定長	1 byte

- 例）本機の電源が入っている場合
  “00001”（CR）

■ エラー応答

	文字列	内容	終端記号
メッセージ	“ERR1”	未定義の制御コマンド	（CR） 0x0d
	“ERR2”	パラメーター範囲外	
	“ERR3”	ビジー状態または受け付け不可期間	
	“ERR4”	タイムアウトまたは受け付け不可期間	
	“ERR5”	データ長不正	
	“ERRA”	パスワード不一致	
データ長	4 bytes	—	1 byte

WEB 制御アドミニストレーター権限パスワード非設定時（非プロテクトモード）

接続方法

1) ディスプレイ（プロジェクターやフラットパネルディスプレイ）の IP アドレスとポート番号（初期設定値=1024）を取得してディスプレイへ接続を要求する

- IP アドレス、ポート番号は共にディスプレイ本体のメニュー画面から取得できます。

IP アドレス	メニューの［その他の設定］→［ネットワーク］→［ネットワークステータス］から取得
ポート番号	メニューの［その他の設定］→［ネットワーク］→［ネットワークコントロール］→［コマンドポート］から取得

2) ディスプレイからの応答を確認する

	データ部	空白	モード	終端記号
コマンド例	“NTCONTROL” （ASCII 文字列）	‘ ’ 0x20	‘0’ 0x30	（CR） 0x0d
データ長	9 bytes	1 byte	1 byte	1 byte

- モード：0= 非プロテクトモード
- 例）非プロテクトモード時の応答
  “NTCONTROL 0”（CR）

コマンド送信方法

以下のコマンド形式で送信してください。

■ 送信データ

	ヘッダー		データ部	終端記号
コマンド例	‘0’ 0x30	‘0’ 0x30	制御コマンド （ASCII 文字列）	（CR） 0x0d
データ長	1 byte	1 byte	不定長	1 byte

- 例）電源状態取得コマンドの送信
  “00QPW”（CR）

■ 受信データ

	ヘッダー		データ部	終端記号
コマンド例	‘0’ 0x30	‘0’ 0x30	制御コマンド （ASCII 文字列）	（CR） 0x0d
データ長	1 byte	1 byte	不定長	1 byte

- 例）本機の電源がスタンバイ状態の場合
  “00000”（CR）

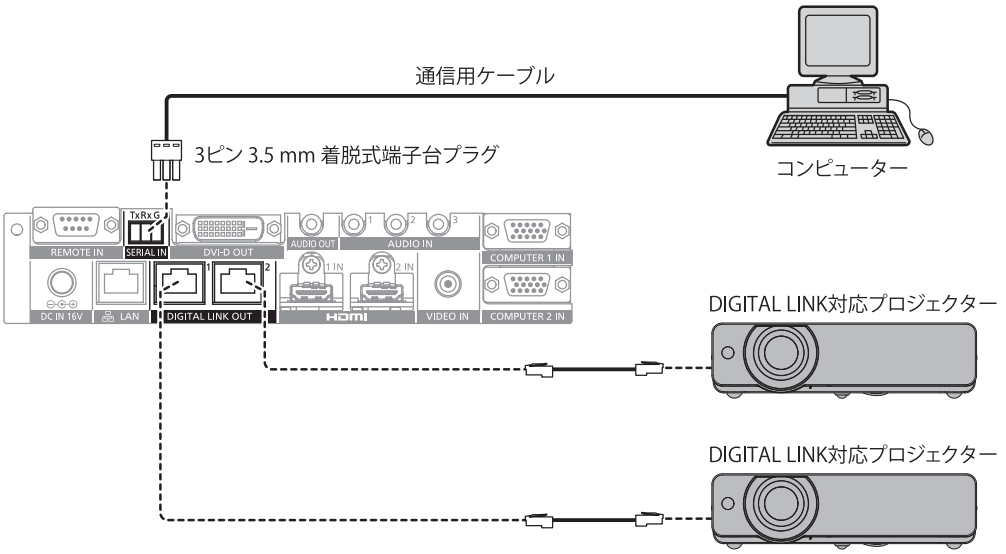
■ エラー応答

	文字列	内容	終端記号
メッセージ	“ERR1”	未定義の制御コマンド	（CR） 0x0d
	“ERR2”	パラメーター範囲外	
	“ERR3”	ビジー状態または受け付け不可期間	
	“ERR4”	タイムアウトまたは受け付け不可期間	
	“ERR5”	データ長不正	
	“ERRA”	パスワード不一致	
データ長	4 bytes	—	1 byte

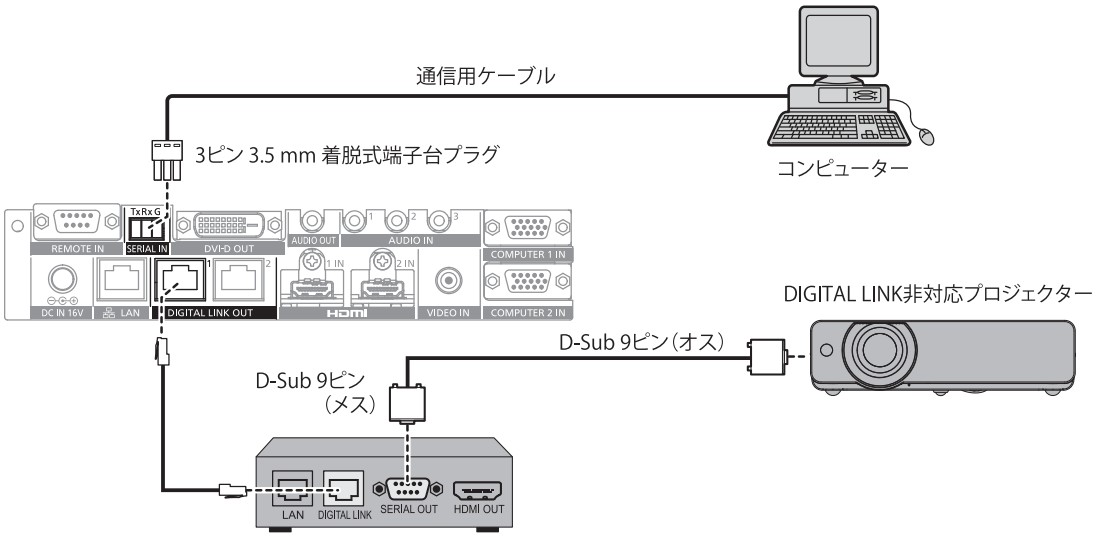
2. SERIAL IN 端子経由の制御コマンドについて

接続例

■ DIGITAL　LINK に対応しているディスプレイと接続する場合

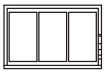


■ DIGITAL　LINK に対応していないディスプレイと接続する場合



*1　DIGITAL LINK 端子の名称はメーカーによって異なる場合があります。

ピン配列と信号名

3 ピン 3.5 mm 着脱式端子台 外側から見た図	ピン No.	信号名	内容
TxRxG  (1) → (3)	(1)	TXD	送信データ
	(2)	RXD	受信データ
	(3)	GND	グラウンド

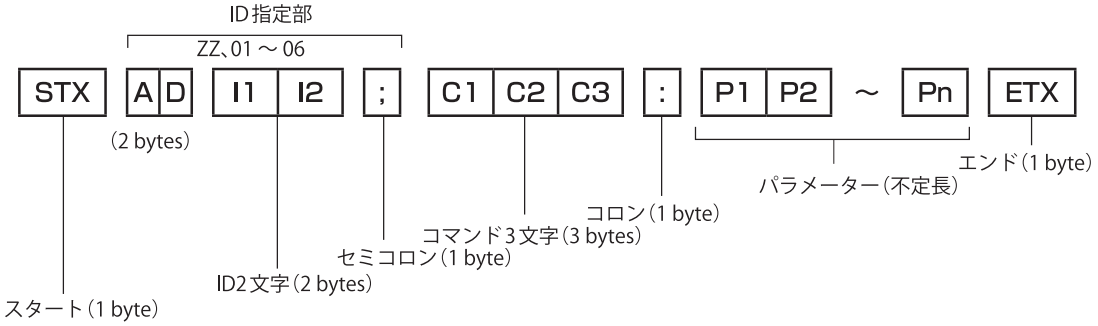
通信条件（工場出荷時の状態）

信号レベル	RS -232C 準拠
同期方式	調歩同期
ボーレート	9 600 bps

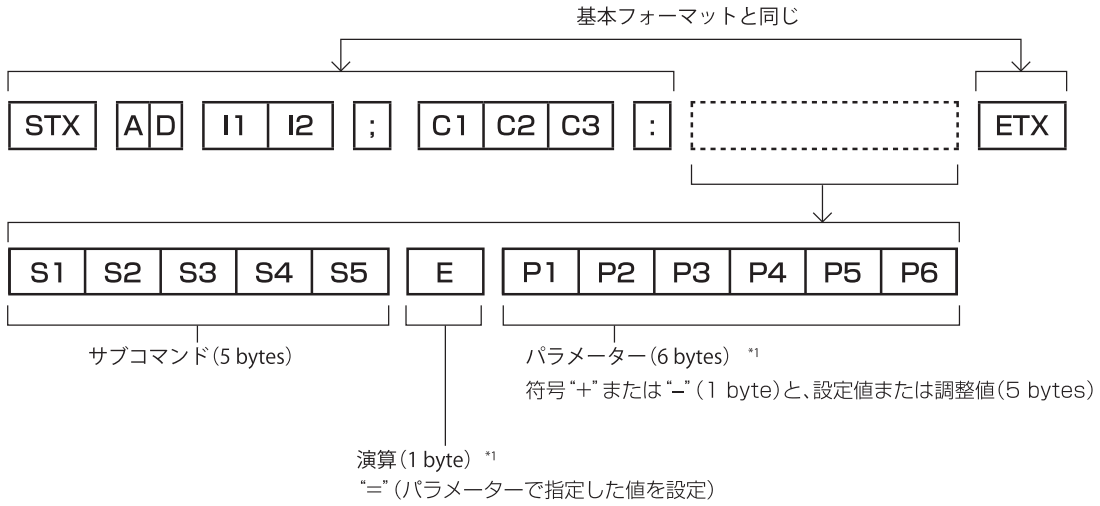
パリティー	なし
キャラクター長	8 ビット
ストップビット	1 ビット
X パラメーター	なし
S パラメーター	なし

基本フォーマット

コンピューターからの伝送は STX で開始され、続いて ID、コマンド、パラメーター、最後に ETX の順に送信します。パラメーターは制御内容の必要に応じて付加してください。



基本フォーマット（サブコマンドあり）



*1 パラメーターを必要としないコマンドを送信する場合は、演算（E）とパラメーターは必要ありません。

お願い

- 本機の電源を入れた直後にコマンドを送信すると、応答が遅く返ってきたり、コマンドが実行できなかったりすることがあります。30 秒経過後に送受信してください。
- 複数のコマンドを送信する場合は、必ず本機からの応答を受け取ってから 0.5 秒以上経過後に次のコマンドを送信してください。パラメーターを必要としないコマンドを送信する場合は、コロン（：）は必要ありません。

お知らせ

- コマンドが実行できない場合、本機から「ER401」という応答がコンピューター側に送信されます。
- 無効なパラメーターを送信すると、本機から「ER402」という応答がコンピューター側に送信されます。
- RS -232C での ID 送信は、ZZ（オール）と 01 ～ 06 の対応になっています。
- ID 指定でコマンドを送信した場合、以下のときのみコンピューターへの応答を返します。
  - 本機 ID と一致した場合
  - ID 指定がオールかつ［応答（ID オール）］が［オン］の場合
  - ID 指定がグループかつ［応答（グループ）］が［オン］の場合
- ID 指定でコマンドを送信した場合、以下のときのみ本機の制御を行います。
  - 本機 ID と一致した場合
  - ID 指定がオールかつ［制御（ID オール）］が［有効］の場合
- STX と ETX はキャラクターコードです。STX は 16 進数で表すと 02、ETX は 16 進数で表すと 03 となります。

複数台の機器を制御するとき

複数台の機器をすべて制御する場合

複数台の本機およびディスプレイ（プロジェクターやフラットパネルディスプレイ）を RS -232C によってまとめて制御する場合、下記の設定をしてください。

1) 機器ごとに異なる ID を設定する

2) 1 台の機器のみ［応答（ID オール）］を［オン］に設定する

3) 手順 **2)** で設定した機器以外は［応答（ID オール）］を［オフ］に設定する

複数台の機器をグループ単位で制御する場合

複数台の本機およびディスプレイ（プロジェクターやフラットパネルディスプレイ）を RS -232C によってグループ単位で制御する場合、下記の設定をしてください。

1) 機器ごとに異なる ID を設定する

2) 1 台の機器のみ［応答（グループ）］を［オン］に設定する

3) 手順 **2)** で設定した機器以外は［応答（グループ）］を［オフ］に設定する

お知らせ

- 2 台以上の機器で［応答（ID オール）］を［オン］に設定すると正常に応答できません。
- 同じグループの 2 台以上の機器で［応答（グループ）］を［オン］に設定すると正常に応答できません。
- 複数のグループを設定する場合には、それぞれのグループごとに 1 台の機器のみ［応答（ID オール）］を［オン］にしてください。

ケーブル仕様

付属の 3 ピン 3.5 mm 着脱式端子台プラグを使用して、本機の〈SERIAL IN〉端子と制御用コンピューターのシリアル端子（RS-232C 準拠）とを接続するケーブルを準備してください。
ここでは、コンピューターのシリアル端子が D-Sub 9 ピン（オス）である場合のケーブル作成を例として説明します。作成に必要な D-Sub 9 ピン（メス）のコネクターや、リード線などについては、市販品をお買い求めください。

- 3 ピン 3.5 mm 着脱式端子台プラグの適用電線：芯線の直径 AWG28 ～ AWG14
- 3 ピン 3.5 mm 着脱式端子台プラグと D-Sub 9 ピン（メス）のコネクター（市販品）の両方に適合する線径のリード線をご使用ください。

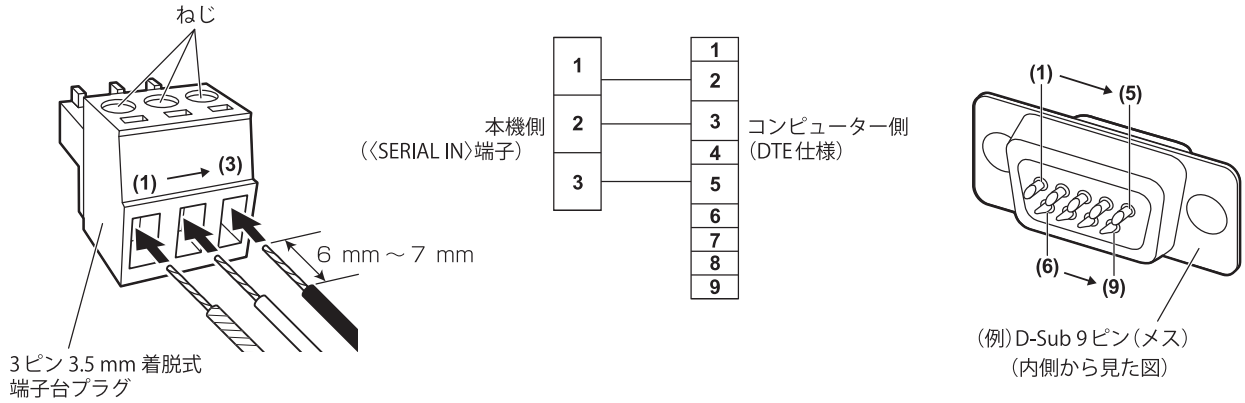


図1

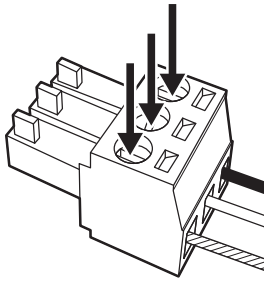


図2

1) 付属の 3 ピン **3.5 mm** 着脱式端子台プラグにリード線を挿入する（図 1）

2) ドライバーで 3 ピン **3.5 mm** 着脱式端子台プラグのねじをしっかりと締めつけ、リード線を固定する（図 2）

3) リード線のもう一方を、D-Sub 9 ピン（メス）のコネクターの対応するピンに接続する（図 1）

3. 基本制御コマンド

3.1. AUTO SETUP [OAS]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	53h	03h
Character		A	D	Z	Z	;	O	A	S	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

■Note

・This function operates only when analog RGB signal (still image) or HDMI signal (still image and moving image) is input.

3.2. INPUT SELECT [IIS]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	49h	49h	53h	3Ah
Character		A	D	Z	Z	;	I	I	S	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■Parameters(*1,*2,*3,*4,*5,*6)

	HDMI 1			HDMI 2			COMPUTER 1		
Hexadecimal	48h	44h	31h	48h	44h	32h	50h	43h	31h
Character	H	D	1	H	D	2	P	C	1
	COMPUTER 2			VIDEO					
Hexadecimal	50h	43h	32h	56h	49h	44h			
Character	P	C	2	V	I	D			

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

■Note

・The REMOTE will be priority. If REMOTE is enabled, it will return the ER402.

3.3. MENU KEY [OMN]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Dh	4Eh	03h
Character		A	D	Z	Z	;	O	M	N	

■Response (Callback)

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

3.4. ENTER KEY [OEN]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	4Eh	03h
Character		A	D	Z	Z	;	O	E	N	

■Response (Callback)

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

3.5. ▲ KEY [OCU]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	55h	03h
Character		A	D	Z	Z	;	O	C	U	

■Response (Callback)

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

3.6. ▼ KEY [OCD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	44h	03h
Character		A	D	Z	Z	;	O	C	D	

■Response (Callback)

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

3.7. ◀ KEY [OCL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	4Ch	03h
Character		A	D	Z	Z	;	O	C	L	

■Response (Callback)

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

3.8. ▶ KEY [OCR]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	52h	03h
Character		A	D	Z	Z	;	O	C	R	

■Response (Callback)

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

3.9. STANDARD(DEFAULT) KEY [OST]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	54h	03h
Character		A	D	Z	Z	;	O	S	T	

■Response (Callback)

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

3.10. ASPECT KEY [VS1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	31h	03h
Character		A	D	Z	Z	;	V	S	1	

■Response (Callback)

Hexadecimal	02h	56h	53h	31h	03h
Character		V	S	1	

3.11. VOLUME UP KEY [AUU]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	41h	55h	55h	03h
Character		A	D	Z	Z	;	A	U	U	

■Response (Callback)

Hexadecimal	02h	41h	55h	55h	03h
Character		A	U	U	

3.12. VOLUME DOWN KEY [AUD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	41h	55h	44h	03h
Character		A	D	Z	Z	;	A	U	D	

■Response (Callback)

Hexadecimal	02h	41h	55h	44h	03h
Character		A	U	D	

3.13. RESPONSE (CALLBACK) ID - ALL [RVS]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	52h	56h	53h	3Ah	*1	03h
Character		A	D	Z	Z	;	R	V	S	:	*2	

■Parameters(*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■Response (Callback)

Hexadecimal	02h	52h	56h	53h	3Ah	*1	03h
Character		R	V	S	:	*2	

3.14. SYSTEM SELECTOR [ORF]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	52h	46h	3Ah
Character		A	D	Z	Z	;	O	R	F	:
Hexadecimal	*1	03h								
Character	*2									

■Parameters(*1,*2)

	RGB(VGA60)	YP_BP_R/YC_BC_R	AUTO	480pRGB
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■Response (Callback)

Hexadecimal	02h	4Fh	52h	46h	3Ah	*1	03h
Character		O	R	F	:	*2	

3.15. SHIFT - HORIZONTAL [VTH]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	48h	3Ah
Character		A	D	Z	Z	;	V	T	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

■ Response (Callback)

Hexadecimal	02h	56h	54h	48h	3Ah	*1	*3	*5	*7	03h
Character		V	T	H	:	*2	*4	*6	*8	

■ Note

- Adjustable maximum value varies according to the input resolution and the input signal setting.
- Minimum value : 0, Maximum value : Total dots -1

3.16. SHIFT - VERTICAL [VTV]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	56h	3Ah
Character		A	D	Z	Z	;	V	T	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4092				4093				4094			
Hexadecimal	34h	30h	39h	32h	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	2	4	0	9	3	4	0	9	4

■ Response (Callback)

Hexadecimal	02h	56h	54h	56h	3Ah	*1	*3	*5	*7	03h
Character		V	T	V	:	*2	*4	*6	*8	

■ Note

- Adjustable maximum value varies according to the input resolution and the input signal setting.
- Minimum value : 0, maximum value : Total lines -1

3.17. ASPECT [VXX:OASI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	*1	*3	*5
Character	O	A	S	I	1	=	+	*2	*4	:*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	AUTO					NORMAL					WIDE				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2	0	0	0	0	3
	NATIVE					FULL					H-FIT				
Hexadecimal	30h	30h	30h	30h	33h	30h	30h	30h	30h	35h	30h	30h	30h	30h	36h
Character	0	0	0	0	3	0	0	0	0	5	0	0	0	0	6
	V-FIT					S16:9									
Hexadecimal	30h	30h	30h	30h	37h	30h	30h	30h	31h	31h					
Character	0	0	0	0	7	0	0	0	1	1					

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Fh	4Dh	59h	49h	31h
Character		V	X	X	:	O	A	S	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.18. CLOCK PHASE [VCP]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	50h	3Ah
Character		A	D	Z	Z	;	V	C	P	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

■Response (Callback)

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

■Note

・It is only effective for input selection of RGB1 or RGB2.

3.19. DIGITAL CINEMA REALITY [OPD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	50h	44h	3Ah
Character		A	D	Z	Z	;	O	P	D	:
Hexadecimal	*1	03h								
Character	*2									

■Parameters(*1,*2)

	AUTO	OFF	30p/25p FIXED
Hexadecimal	30h	31h	32h
Character	0	1	2

■Response (Callback)

Hexadecimal	02h	4Fh	50h	44h	3Ah	*1	03h
Character		O	P	D	:	*2	

3.20. INPUT RESOLUTION - TOTAL DOTS [VTD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	44h	3Ah
Character		A	D	Z	Z	;	V	T	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4094				4095			
Hexadecimal	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	4	4	0	9	5

■Response (Callback)

Hexadecimal	02h	56h	54h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	T	D	:	*2	*4	*6	*8	

■Note

・Adjustable maximum value varies according to the input resolution and the input signal setting.
・COMPUTER 1/2 channel input only adjustable.

3.21. INPUT RESOLUTION - DISPLAY DOTS [VDD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	44h	3Ah
Character		A	D	Z	Z	;	V	D	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	4064				4065			
Hexadecimal	34h	30h	36h	34h	34h	30h	36h	35h
Character	4	0	6	4	4	0	6	5

■Response (Callback)

Hexadecimal	02h	56h	44h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	D	D	:	*2	*4	*6	*8	

■Note

・Adjustable maximum value varies according to the input resolution and the input signal setting.
・COMPUTER 1/2 channel input only adjustable.

3.22. INPUT RESOLUTION - TOTAL LINES [VTL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Ch	3Ah
Character		A	D	Z	Z	;	V	T	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	155				156			
Hexadecimal	30h	31h	35h	35h	30h	31h	35h	36h
Character	0	1	5	5	0	1	5	6
	2046				2047			
Hexadecimal	24h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■Response (Callback)

Hexadecimal	02h	56h	54h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	T	L	:	*2	*4	*6	*8	

■Note

- Adjustable maximum value varies according to the input resolution and the input signal setting.
- When a parameter value is less than DISPLAY LINES plus 10, will return ER402.

3.23. INPUT RESOLUTION - DISPLAY LINES [VDL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	4Ch	3Ah
Character		A	D	Z	Z	;	V	D	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	150				151			
Hexadecimal	30h	31h	35h	30h	30h	31h	35h	31h
Character	0	1	5	0	0	1	5	1
	2036				2037			
Hexadecimal	32h	30h	33h	36h	32h	30h	33h	37h
Character	2	0	3	6	2	0	3	7

■Response (Callback)

Hexadecimal	02h	56h	44h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	D	L	:	*2	*4	*6	*8	

■Note

- Adjustable maximum value varies according to the input resolution and the input signal setting.
- COMPUTER 1/2 channel input only adjustable.

3.24. CLAMP POSITION [VLT]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	54h	3Ah
Character		A	D	Z	Z	;	V	L	T	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■Parameters(*1,*2,*3,*4,*5,*6)

	1			2		
Hexadecimal	30h	30h	31h	30h	30h	32h
Character	0	0	1	0	0	2
	254			255		
Hexadecimal	32h	35h	34h	32h	35h	35h
Character	2	5	4	2	5	5

■Response (Callback)

Hexadecimal	02h	56h	4Ch	54h	3Ah	*1	*3	*5	03h
Character		V	L	T	:	*2	*4	*6	

■Note

- COMPUTER 1/2 channel input only adjustable.

3.25. OVER SCAN [MOV]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	4Fh	56h	3Ah
Character		A	D	Z	Z	;	M	O	V	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	8			9			10		
Hexadecimal	30h	30h	38h	30h	30h	39h	30h	31h	30h
Character	0	0	8	0	0	9	0	1	0

■ Response (Callback)

Hexadecimal	02h	4Dh	4Fh	56h	3Ah	*1	*3	*5	03h
Character		M	O	V	:	*2	*4	*6	

3.26. LANGUAGE [OLG]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	47h	3Ah
Character		A	D	Z	Z	;	O	L	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters(*1,*2,*3,*4,*5,*6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Japanese					
Hexadecimal	45h	4Ah	4Ah	4Ah	54h	4Ch			
Character	E	J	J	J	T	L			

■ Response (Callback)

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

3.27. OSD DESIGN [MOD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	4Fh	44h	3Ah
Character		A	D	Z	Z	;	M	O	D	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters(*1,*2)

	TYPE1	TYPE2
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

Hexadecimal	02h	4Dh	4Fh	44h	3Ah	*1	03h
Character		M	O	D	:	*2	

3.28. OSD OUTPUT [VXX:OPPI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	4Fh	50h
Character		A	D	Z	Z	;	V	X	X	:	O	P
Hexadecimal	50h	49h	30h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	P	I	1	=	+	*2	*4	*6	*8	*10		

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DVI-D/DIGITAL LINK					DVI-D				
Hexadecimal	30h	30h	30h	31h	31h	30h	30h	30h	30h	31h
Character	0	0	0	1	1	0	0	0	0	1

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Fh	50h	50h	49h	31h
Character		V	X	X	:	O	P	P	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.29. COMPUTER 1 INPUT SETTING [VXX:RYCI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	52h	59h	43h	49h	31h	3Dh	2Bh	*1	*3	*5
Character	R	Y	C	I	1	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	RGB/YPBPR					Y/C				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	52h	59h	43h	49h	31h
Character		V	X	X	:	R	Y	C	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.30. SYNC SLICE LEVEL [VXX:STRI0]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	53h	54h	52h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	S	T	R	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	LOW					HIGH				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	53h	54h	52h	49h	30h
Character		V	X	X	:	S	T	R	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.31. COMPUTER 2 EDID - MODE [VXX:EDMI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	4Dh	49h	31h	3Dh	2Bh	*1	*3	*5
Character	E	D	M	I	1	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DEFAULT					COPY				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h
Character	0	0	0	0	0	0	0	1	0	0
	USER									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	4Dh	49h	31h
Character		V	X	X	:	E	D	M	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.32. COMPUTER2 EDID - RESOLUTION [VXX: EDRS1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	52h	53h	31h	3Dh	*1	*3	*5	*7
Character	E	D	R	S	1	=	*2	*4	*6	*8
Hexadecimal	*9	*11	*13	*15	*17	*19	*21			
Character	*10	*12	*14	*16	*18	*20	*22			

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10, *11, *12, *13, *14, *15, *16, *17, *18, *19, *20, *21, *22)

	1024x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	0	2	4	:	0	7	6	8	:	p
	1280x720p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	32h	30h	3Ah	70h
Character	1	2	8	0	:	0	7	2	0	:	p
	1280x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	2	8	0	:	0	7	6	8	:	p
	1280x800p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h	3Ah	70h
Character	1	2	8	0	:	0	8	0	0	:	p
	1280x1024p										
Hexadecimal	31h	30h	32h	34h	3Ah	31h	30h	32h	34h	3Ah	70h
Character	1	2	8	0	:	1	0	2	4	:	p
	1366x768p										
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	3	6	6	:	0	7	6	8	:	p
	1400x1050p										
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	4	0	0	:	1	0	5	0	:	p
	1440x900p										
Hexadecimal	31h	34h	34h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	4	4	0	:	0	9	0	0	:	p
	1600x900p										
Hexadecimal	31h	36h	30h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	6	0	0	:	0	9	0	0	:	p
	1600x1200p										
Hexadecimal	31h	36h	30h	30h	3Ah	31h	32h	30h	30h	3Ah	70h
Character	1	6	0	0	:	1	2	0	0	:	p
	1680x1050p										
Hexadecimal	31h	36h	38h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	6	8	0	:	1	0	5	0	:	p
	1920x1080p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h	3Ah	70h
Character	1	9	2	0	:	1	0	8	0	:	p
	1920x1080i										
Hexadecimal	31h	39h	32h	30h	3Ah	30h	30h	38h	30h	3Ah	69h
Character	1	9	2	0	:	1	0	8	0	:	i
	1920x1200p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	30h	30h	3Ah	70h
Character	1	9	2	0	:	1	2	0	0	:	p

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	52h	53h	31h
Character		V	X	X	:	E	D	R	S	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.33. COMPUTER2 EDID - VERTICAL SCAN FREQUENCY [VXX: EDVI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	56h	49h	31h	3Dh	2Bh	*1	*3	*5
Character	E	D	V	I	1	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	60Hz					50Hz				
Hexadecimal	30h	36h	30h	30h	30h	30h	35h	30h	30h	30h
Character	0	6	0	0	0	0	5	0	0	0
	48Hz					30Hz				
Hexadecimal	30h	34h	38h	30h	30h	30h	33h	30h	30h	30h
Character	0	4	8	0	0	0	3	0	0	0
	25Hz					24Hz				
Hexadecimal	30h	32h	35h	30h	30h	30h	32h	34h	30h	30h
Character	0	2	5	0	0	0	2	4	0	0

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	56h	49h	31h
Character		V	X	X	:	E	D	V	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.34. HDMI2 EDID - MODE [VXX:EDMI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	4Dh	49h	33h	3Dh	2Bh	*1	*3	*5
Character	E	D	M	I	3	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DEFAULT					COPY				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h
Character	0	0	0	0	0	0	0	1	0	0
	USER									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	4Dh	49h	33h
Character		V	X	X	:	E	D	M	I	3
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.35. HDMI2 EDID - RESOLUTION [VXX: EDRS3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	52h	53h	33h	3Dh	*1	*3	*5	*7
Character	E	D	R	S	3	=	*2	*4	*6	*8
Hexadecimal	*9	*11	*13	*15	*17	*19	*21			
Character	*10	*12	*14	*16	*18	*20	*22			

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10, *11, *12, *13, *14, *15, *16, *17, *18, *19, *20, *21, *22)

	1024x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	0	2	4	:	0	7	6	8	:	p
	1280x720p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	32h	30h	3Ah	70h
Character	1	2	8	0	:	0	7	2	0	:	p
	1280x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	2	8	0	:	0	7	6	8	:	p
	1280x800p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h	3Ah	70h
Character	1	2	8	0	:	0	8	0	0	:	p
	1280x1024p										
Hexadecimal	31h	30h	32h	34h	3Ah	31h	30h	32h	34h	3Ah	70h
Character	1	2	8	0	:	1	0	2	4	:	p

	1366x768p										
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	3	6	6	:	0	7	6	8	:	p
	1400x1050p										
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	4	0	0	:	1	0	5	0	:	p
	1440x900p										
Hexadecimal	31h	34h	34h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	4	4	0	:	0	9	0	0	:	p
	1600x900p										
Hexadecimal	31h	36h	30h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	6	0	0	:	0	9	0	0	:	p
	1600x1200p										
Hexadecimal	31h	36h	30h	30h	3Ah	31h	32h	30h	30h	3Ah	70h
Character	1	6	0	0	:	1	2	0	0	:	p
	1680x1050p										
Hexadecimal	31h	36h	38h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	6	8	0	:	1	0	5	0	:	p
	1920x1080p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h	3Ah	70h
Character	1	9	2	0	:	1	0	8	0	:	p
	1920x1080i										
Hexadecimal	31h	39h	32h	30h	3Ah	30h	30h	38h	30h	3Ah	69h
Character	1	9	2	0	:	1	0	8	0	:	i
	1920x1200p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	30h	30h	3Ah	70h
Character	1	9	2	0	:	1	2	0	0	:	p

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	52h	53h	33h
Character		V	X	X	:	E	D	R	S	3
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.36. HDMI2 EDID - VERTICAL SCAN FREQUENCY [VXX: EDVI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	56h	49h	33h	3Dh	2Bh	*1	*3	*5
Character	E	D	V	I	3	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	60Hz					50Hz				
Hexadecimal	30h	36h	30h	30h	30h	30h	35h	30h	30h	30h
Character	0	6	0	0	0	0	5	0	0	0
	48Hz					30Hz				
Hexadecimal	30h	34h	38h	30h	30h	30h	33h	30h	30h	30h
Character	0	4	8	0	0	0	3	0	0	0
	25Hz					24Hz				
Hexadecimal	30h	32h	35h	30h	30h	30h	32h	34h	30h	30h
Character	0	2	5	0	0	0	2	4	0	0

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	56h	49h	33h
Character		V	X	X	:	E	D	V	I	3
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.37. DIGITAL LINK OUT - FRAME LOCK [VXX:OFLI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	4Fh	46h
Character		A	D	Z	Z	;	V	X	X	:	O	F
Hexadecimal	4Ch	49h	33h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	L	I	3	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Fh	46h	4Ch	49h	33h
Character		V	X	X	:	O	F	L	I	3
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.38. DIGITAL LINK OUT - OUTPUT RESOLUTION [VXX: ORSS3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	52h	53h	53h	33h	3Dh	*1	*3	*5	*7
Character	O	R	S	S	3	=	*2	*4	*6	*8
Hexadecimal	*9	*11	*13	*15	*17	03h				
Character	*10	*12	*14	*16	*18					

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10, *11, *12, *13, *14, *15, *16, *17, *18)

	1920x1200								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	32h	30h	30h
Character	1	9	2	0	:	1	2	0	0
	1920x1080								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h
Character	1	9	2	0	:	1	0	8	0
	1400x1050								
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h
Character	1	4	0	0	:	1	0	5	0
	1366x768								
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h
Character	1	3	6	6	:	0	7	6	8
	1280x800								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h
Character	1	2	8	0	:	0	8	0	0
	1024x768								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h
Character	1	0	2	4	:	0	7	6	8

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	56h	58h	58h	3Ah	45h
Character		V	X	X	:	V	X	X	:	O
Hexadecimal	52h	53h	53h	33h	3Dh	*1	*3	*5	*7	*9
Character	R	S	S	3	=	*2	*4	*6	*8	*10
*11	*13	*15	*17	*19	03h					
*12	*14	*16	*18	*20						

3.39. DVI-D OUT - FRAME LOCK [VXX:OFLI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	43h	43h
Character		A	D	Z	Z	;	V	X	X	:	O	F
Hexadecimal	52	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	L	I	1	=	+	*2	*4	*6	*8	*10		

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Fh	46h	4Ch	49h	31h
Character		V	X	X	:	O	F	L	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.40. DVI-D OUT - OUTPUT RESOLUTION [VXX: ORSS1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	52h	53h	53h	31h	3Dh	*1	*3	*5	*7
Character	O	R	S	S	1	=	*2	*4	*6	*8
Hexadecimal	*9	*11	*13	*15	*17	03h				
Character	*10	*12	*14	*16	*18					

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10, *11, *12, *13, *14, *15, *16, *17, *18)

	1920x1200								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	32h	30h	30h
Character	1	9	2	0	:	1	2	0	0
	1920x1080								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h
Character	1	9	2	0	:	1	0	8	0
	1400x1050								
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h
Character	1	4	0	0	:	1	0	5	0
	1366x768								
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h
Character	1	3	6	6	:	0	7	6	8
	1280x800								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h
Character	1	2	8	0	:	0	8	0	0
	1024x768								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h
Character	1	0	2	4	:	0	7	6	8

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	56h	58h	58h	3Ah	45h
Character		V	X	X	:	V	X	X	:	O
Hexadecimal	52h	53h	53h	33h	3Dh	*1	*3	*5	*7	*9
Character	R	S	S	3	=	*2	*4	*6	*8	*10
*11	*13	*15	*17	*19	03h					
*12	*14	*16	*18	*20						

3.41. DVI-D OUT - FRAME LOCK [VXX:OFLI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	43h	43h
Character		A	D	Z	Z	;	V	X	X	:	O	F
Hexadecimal	52	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	L	I	1	=	+	*2	*4	*6	*8	*10		

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Fh	46h	4Ch	49h	31h
Character		V	X	X	:	O	F	L	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.42. DVI-D OUT - CASCADE [VXX:CSCI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	43h	53h
Character		A	D	Z	Z	;	V	X	X	:	C	S
Hexadecimal	43h	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	C	I	1	=	+	*2	*4	*6	*8	*10		

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	43h	53h	43h	49h	31h
Character		V	X	X	:	C	S	C	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.43. CLOSED CAPTION SETTING [OCC]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	43h	3Ah
Character		A	D	Z	Z	;	O	C	C	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters(*1,*2)

	OFF	CC1	CC2	CC3	CC4
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

■ Response (Callback)

Hexadecimal	02h	4Fh	43h	43h	3Ah	*1	03h
Character		O	C	C	:	*2	

3.44. BACK COLOR [OBC]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	42h	43h	3Ah
Character		A	D	Z	Z	;	O	B	C	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters(*1,*2)

	BULE	BLACK
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

Hexadecimal	02h	4Fh	42h	43h	3Ah	*1	03h
Character		O	B	C	:	*2	

3.45. NO SIGNAL SLEEP [VXX:NSLI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	4Eh	53h
Character		A	D	Z	Z	;	V	X	X	:	N	S
Hexadecimal	4Ch	49h	30h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	L	I	1	=	+	*2	*4	*6	*8	*10		

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					10 MIN.				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h
Character	0	0	0	0	0	0	0	0	1	0
	20 MIN.					30 MIN.				
Hexadecimal	30h	30h	30h	32h	30h	30h	30h	30h	33h	30h
Character	0	0	0	2	0	0	0	0	3	0

■ Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	4Eh	53h	4Ch	49h	31h
Character		V	X	X	:	N	S	L	I	1
Hexadecimal	3Dh	*1	*3	*5	*7	*9	03h			
Character	=	*2	*4	*6	*8	*10				

3.46. AUDIO SETTING - VOLUME [AVL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	41h	56h	4Ch	3Ah
Character		A	D	Z	Z	;	A	V	L	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters(*1,*2,*3,*4,*5,*6)

	0			1		
Hexadecimal	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	1
	62			63		
Hexadecimal	32h	36h	32h	30h	36h	33h
Character	0	6	2	0	6	3

■ Response (Callback)

Hexadecimal	02h	41h	56h	4Ch	3Ah	*1	*3	*5	03h
Character		A	V	L	:	*2	*4	*6	

3.47. AUDIO SETTING - BALANCE [ABL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	41h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	A	B	L	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■Parameters(*1,*2,*3,*4,*5,*6)

	-16			0			+16		
Hexadecimal	2Dh	31h	36h	2Bh	30h	30h	2Bh	31h	36h
Character	-	1	6	+	0	0	+	1	6

■Response (Callback)

Hexadecimal	02h	41h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		A	B	L	:	*2	*4	*6	

3.48. AUDIO SETTING - AUDIO OUT SELECT [VXX:AOSI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	4Fh
Character		A	D	Z	Z	;	V	X	X	:	A	O
Hexadecimal	53h	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	S	I	1	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					DIGITAL LINK				
Hexadecimal	30 h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO OUT									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	41h	4Fh	53h	49h	31h
Character		V	X	X	:	A	O	S	I	1
Hexadecimal	3Dh	*1	*1	*3	*5	*7	*9	03h		
Character	=	*2	*2	*4	*6	*8	*10			

3.49. AUDIO IN SELECT - HDMI 1 [VXX:AINI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	49h
Character		A	D	Z	Z	;	V	X	X	:	A	I
Hexadecimal	4Eh	49h	33h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	N	I	3	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	HDMI 1 AUDIO IN					AUDIO IN 1				
Hexadecimal	30 h	30h	30h	30h	33h	30h	30h	30h	30h	30h
Character	0	0	0	0	3	0	0	0	0	0
	AUDIO IN 2					AUDIO IN 3				
Hexadecimal	30h	30 h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2
	OFF									
Hexadecimal	39 h	39h	39h	39h	39h					
Character	9	9	9	9	9					

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	33h
Character		V	X	X	:	A	I	N	I	3
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.50. AUDIO IN SELECT - HDMI 2 [VXX:AINI7]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	49h
Character		A	D	Z	Z	;	V	X	X	:	A	I
Hexadecimal	4Eh	49h	33h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	N	I	7	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	HDMI 2 AUDIO IN					AUDIO IN 1				
Hexadecimal	30 h	30h	30h	30h	33h	30h	30h	30h	30h	30h
Character	0	0	0	0	3	0	0	0	0	0
	AUDIO IN 2					AUDIO IN 3				
Hexadecimal	30h	30 h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2
	OFF									
Hexadecimal	39 h	39h	39h	39h	39h					
Character	9	9	9	9	9					

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	37h
Character		V	X	X	:	A	I	N	I	7
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.51. AUDIO IN SELECT - COMPUTER 1 [VXX:AINI0]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	49h
Character		A	D	Z	Z	;	V	X	X	:	A	I
Hexadecimal	4Eh	49h	30h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	N	I	0	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30 h	30h	30h	30h	30 h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	32h	39 h	39h	39h	39h	39h
Character	0	0	0	0	2	9	9	9	9	9

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	30h
Character		V	X	X	:	A	I	N	I	0
Hexadecimal	3Dh	*1	*1	*3	*5	*7	*9	03h		
Character	=	*2	*2	*4	*6	*8	*10			

3.52. AUDIO IN SELECT - COMPUTER 2 [VXX:AINI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	49h
Character		A	D	Z	Z	;	V	X	X	:	A	I
Hexadecimal	4Eh	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	N	I	1	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30 h	30h	30h	30h	30 h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	32h	39 h	39h	39h	39h	39h
Character	0	0	0	0	2	9	9	9	9	9

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	31h
Character		V	X	X	:	A	I	N	I	1
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.53. AUDIO IN SELECT – VIDEO [VXX:AINI4]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	49h
Character		A	D	Z	Z	;	V	X	X	:	A	I
Hexadecimal	4Eh	49h	34h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	N	I	4	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	32h	39h	39h	39h	39h	39h
Character	0	0	0	0	2	9	9	9	9	9

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	34h
Character		V	X	X	:	A	I	N	I	4
Hexadecimal	3Dh	*1	*3	*5	*7	*9	*11	03h		
Character	=	*2	*4	*6	*8	*10	*12			

3.54. AUTO SETUP [VXX:ASSI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	41h	53h
Character		A	D	Z	Z	;	V	X	X	:	A	S
Hexadecimal	53h	49h	31h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	S	I	1	=	+	*2	*4	*6	*8	*10		

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	MANUAL					AUTO				
Hexadecimal	30h	30h	30h	30h	32h	30h	30h	30h	30h	31h
Character	0	0	0	0	2	0	0	0	0	1

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	41h	49h	4Eh	49h	34h
Character		V	X	X	:	A	I	N	I	4
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.55. BACKUP INPUT MODE [VXX:BACI2]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	42h	41h	43h	49h	32h	3Dh	2Bh	*1	*3	*5
Character	B	A	C	I	2	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					1					2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2

■Response (Callback)

Hexadecimal	02h	56h	58h	58h	3Ah	42h	41h	43h	49h	32h
Character		V	X	X	:	B	A	C	I	2
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

3.56. ID SETTING [RIS]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	52h	49h	53h	3Ah
Character		A	D	Z	Z	;	R	I	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

Parameters(*1,*2,*3,*4)

	0 (ALL)		1		2		3	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h
Character	0	0	0	1	0	2	0	3
	4		5		6			
Hexadecimal	30h	34h	30h	35h	30h	36h		
Character	0	4	0	5	0	6		

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	52h	49h	53h	3Ah	*1	*3	03h
Character		R	I	S	:	*2	*4	

3.57. QUERY AUTO SETUP [QIN]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	4Eh	03h
Character		A	D	Z	Z	;	Q	I	N	

■Response (Callback)

HDMI1

Hexadecimal	02h	48h	44h	31h	03h
Character		H	D	1	

HDMI2

Hexadecimal	02h	48h	44h	32h	03h
Character		H	D	2	

COMPUTER1

Hexadecimal	02h	50h	43h	31h	03h
Character		P	C	1	

COMPUTER2

Hexadecimal	02h	50h	43h	32h	03h
Character		P	C	2	

VIDEO

Hexadecimal	02h	56h	49h	44h	03h
Character		V	I	D	

3.58. QUERY SYSTEM SELECTOR [QRF]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	46h	03h
Character		A	D	Z	Z	;	Q	R	F	

■Response (Callback)

RGB(VGA60)

Hexadecimal	02h	30h	03h
Character		0	

YP_BP_R/YC_BC_R

Hexadecimal	02h	31h	03h
Character		1	

AUTO

Hexadecimal	02h	32h	03h
Character		2	

480pRGB

Hexadecimal	02h	33h	03h
Character		3	

3.59. QUERY CLAMP POSITION [QLT]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	54h	03h
Character		A	D	Z	Z	;	Q	L	T	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■Parameters(*1,*2,*3,*4,*5,*6)

	1			2		
Hexadecimal	30h	30h	31h	30h	30h	32h
Character	0	0	1	0	0	2
	254			255		
Hexadecimal	32h	35h	34h	32h	35h	35h
Character	2	5	4	2	5	5

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.60. QUERY DIGITAL CINEMA REALITY [QPD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	44h	03h
Character		A	D	Z	Z	;	Q	P	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

■Parameters(*1,*2)

	AUTO	OFF	30p/25p FIXD
Hexadecimal	30h	31h	32h
Character	0	1	2

3.61. QUERY SHIFT - HORIZONTAL [QTH]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	48h	03h
Character		A	D	Z	Z	;	Q	T	H	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

3.62. QUERY SHIFT - VERTICAL [QTV]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	56h	03h
Character		A	D	Z	Z	;	Q	T	V	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

3.63. QUERY CLOCK PHASE [QCP]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	50h	03h
Character		A	D	Z	Z	;	Q	C	P	

■Response (Callback)

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.64. QUERY OVER SCAN [QOV]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	50h	03h
Character		A	D	Z	Z	;	Q	O	V	

■Response (Callback)

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	8			9			10		
Hexadecimal	30h	30h	38h	30h	30h	39h	30h	31h	30h
Character	0	0	8	0	0	9	0	1	0

3.65. QUERY ASPECT [QVX:OASI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	41h	53h	49h	31h	03h				
Character	O	A	S	I	1					

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	49h	31h	3Dh	*1	*3	*5
Character		O	A	S	I	1	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

■Parameters(*1,*2,*3,*4)

	AUTO					NORMAL				
Hexadecimal	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2
	WIDE					NATIVE				
Hexadecimal	30h	30h	30h	30h	33h	30h	30h	30h	30h	34h
Character	0	0	0	0	3	0	0	0	0	4
	FULL					H-FIT				
Hexadecimal	30h	30h	30h	30h	35h	30h	30h	30h	30h	36h
Character	0	0	0	0	5	0	0	0	0	6
	V-FIT					S16:9				
Hexadecimal	30h	30h	30h	30h	37h	30h	30h	30h	31h	31h
Character	0	0	0	0	7	0	0	0	1	1

3.66. QUERY INPUT RESOLUTION - TOTAL DOTS [QTD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	44h	03h
Character		A	D	Z	Z	;	Q	T	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4095				4096			
Hexadecimal	34h	30h	39h	35h	34h	30h	39h	36h
Character	4	0	9	5	4	0	9	6

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.67. QUERY INPUT RESOLUTION - DISPLAY DOTS [QDD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	44h	03h
Character		A	D	Z	Z	;	Q	D	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	2065				2066			
Hexadecimal	32h	30h	36h	35h	32h	30h	36h	36h
Character	2	0	6	5	2	0	6	6

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.68. QUERY INPUT RESOLUTION - TOTAL LINES [QTL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Ch	03h
Character		A	D	Z	Z	;	Q	T	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	306				307			
Hexadecimal	30h	33h	30h	36h	30h	33h	30h	37h
Character	0	3	0	6	0	3	0	7
	2046				2047			
Hexadecimal	32h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.69. QUERY INPUT RESOLUTION - DISPLAY LINES [QDL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	4Ch	03h
Character		A	D	Z	Z	;	Q	D	L	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

■Note

・Only when COMPUTER1 or COMPUTER2 is selected, it can be accepted.

3.70. QUERY LANGUAGE [QLG]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	47h	03h
Character		A	D	Z	Z	;	Q	L	G	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■Parameters(*1,*2,*3,*4,*5,*6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Japanese					
Hexadecimal	45h	53h	50h	4Ah	50h	4Eh			
Character	E	S	P	J	P	N			

3.71. QUERY OSD DESIGN [QOD]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	44h	03h
Character		A	D	Z	Z	;	Q	O	D	

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

■Parameters(*1,*2)

	TYPE 1	TYPE 2
Hexadecimal	31h	32h
Character	1	2

3.72. QUERY OSD OUTPUT [QVX:OOPI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	50h	50h	49h	31h	03h				
Character	O	P	P	I	1					

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	43h	4Dh	41h	49h	30h	3Dh	2Bh
Character		C	M	A	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DVI-D/DIGITAL LINK					DVI-D				
Hexadecimal	30h	30h	30h	31h	31h	30h	30h	30h	30h	31h
Character	0	0	0	1	1	0	0	0	0	1

3.73. QUERY COMPUTER 1 INPUT SETTING [QVX:RYCI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	52h	59h	43	49h	31h	03h				
Character	R	Y	C	I	1					

■Response (Callback)

Hexadecimal	02h	52h	59h	43	49h	31h	3Dh	2Bh	*1	*3
Character		R	Y	C	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	RGB/YPBPR					Y/C				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.74. QUERY SYNC SLICE LEVEL [QVX:STRI0]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	53h	54h	52h	49h	30h	03h				
Character	S	T	R	I	0					

■Response (Callback)

Hexadecimal	02h	53h	54h	52h	49h	30h	3Dh	2Bh	*1	*3
Character		S	T	R	I	0	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	低					高				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.75. QUERY COMPUTER2 EDID - MODE [QVX:EDMI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	4Dh	49h	31h	03h				
Character	E	D	M	I	1					

■Response (Callback)

Hexadecimal	02h	45h	44h	4Dh	49h	31h	3Dh	2Bh	*1	*3
Character		E	D	M	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DEFAULT					COPY				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	30h
Character	0	0	0	0	0	0	0	1	0	0
	USER									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

3.76. QUERY COMPUTER 2 EDID - RESOLUTION [QVX:EDRS1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	52h	53h	31h	03h				
Character	E	D	R	S	1					

■Response (Callback)

Hexadecimal	02h	45h	44h	52h	53h	31h	3Dh	2Bh	*1	*3
Character		E	D	R	S	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	*11	*13	*15	*17	*19	*21	
Character	*6	*8	*10	*12	*14	*16	*18	*20	*22	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,…*11,*12,…,*21,*22)

	1024x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	0	2	4	:	0	7	6	8	:	p
	1280x720p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	32h	30h	3Ah	70h
Character	1	2	8	0	:	0	7	2	0	:	p
	1280x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	2	8	0	:	0	7	6	8	:	p
	1280x800p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h	3Ah	70h
Character	1	2	8	0	:	0	8	0	0	:	p
	1280x1024p										
Hexadecimal	31h	30h	32h	34h	3Ah	31h	30h	32h	34h	3Ah	70h
Character	1	2	8	0	:	1	0	2	4	:	p
	1366x768p										
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	3	6	6	:	0	7	6	8	:	p
	1400x1050p										
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	4	0	0	:	1	0	5	0	:	p
	1440x900p										
Hexadecimal	31h	34h	34h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	4	4	0	:	0	9	0	0	:	p
	1600x900p										
Hexadecimal	31h	36h	30h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	6	0	0	:	0	9	0	0	:	p
	1600x1200p										
Hexadecimal	31h	36h	30h	30h	3Ah	31h	32h	30h	30h	3Ah	70h
Character	1	6	0	0	:	1	2	0	0	:	p
	1680x1050p										
Hexadecimal	31h	36h	38h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	6	8	0	:	1	0	5	0	:	p
	1920x1080p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h	3Ah	70h
Character	1	9	2	0	:	1	0	8	0	:	p
	1920x1080i										
Hexadecimal	31h	39h	32h	30h	3Ah	30h	30h	38h	30h	3Ah	69h
Character	1	9	2	0	:	1	0	8	0	:	i
	1920x1200p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	30h	30h	3Ah	70h
Character	1	9	2	0	:	1	2	0	0	:	p

3.77. QUERY COMPUTER 2 EDID - VERTICAL SCAN FREQUENCY [QVX:EDVI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	56h	49h	31h	03h				
Character	E	D	V	I	1					

■Response (Callback)

Hexadecimal	02h	45h	44h	56h	49h	31h	3Dh	2Bh	*1	*3
Character		E	D	V	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	60Hz					50Hz				
Hexadecimal	30h	36h	30h	30h	30h	30h	35h	30h	30h	30h
Character	0	6	0	0	0	0	5	0	0	0
	48Hz					30Hz				
Hexadecimal	30h	34h	38h	30h	30h	30h	33h	30h	30h	30h
Character	0	4	8	0	0	0	3	0	0	0
	25Hz					24Hz				
Hexadecimal	30h	32h	35h	30h	30h	30h	32h	34h	30h	30h
Character	0	2	5	0	0	0	2	4	0	0

3.78. QUERY HDMI 2 EDID - MODE [QVX:EDMI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	4Dh	49h	33h	03h				
Character	E	D	M	I	3					

■Response (Callback)

Hexadecimal	02h	45h	44h	4Dh	49h	33h	3Dh	2Bh	*1	*3
Character		E	D	M	I	3	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	DEFAULT					COPY				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h
Character	0	0	0	0	0	0	0	1	0	0
	USER									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

3.79. QUERY HDMI 2 EDID - RESOLUTION [QVX:EDRS3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	52h	53h	33h	03h				
Character	E	D	R	S	3					

■Response (Callback)

Hexadecimal	02h	45h	44h	52h	53h	33h	3Dh	2Bh	*1	*3
Character		E	D	R	S	3	=	+	*2	*4
Hexadecimal	*5	*7	*9	*11	*13	*15	*17	*19	*21	
Character	*6	*8	*10	*12	*14	*16	*18	*20	*22	

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,…*11,*12,…,*21,*22)

	1024x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	0	2	4	:	0	7	6	8	:	p
	1280x720p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	32h	30h	3Ah	70h
Character	1	2	8	0	:	0	7	2	0	:	p
	1280x768p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	2	8	0	:	0	7	6	8	:	p
	1280x800p										
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h	3Ah	70h
Character	1	2	8	0	:	0	8	0	0	:	p
	1280x1024p										
Hexadecimal	31h	30h	32h	34h	3Ah	31h	30h	32h	34h	3Ah	70h
Character	1	2	8	0	:	1	0	2	4	:	p
	1366x768p										
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h	3Ah	70h
Character	1	3	6	6	:	0	7	6	8	:	p
	1400x1050p										
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	4	0	0	:	1	0	5	0	:	p
	1440x900p										
Hexadecimal	31h	34h	34h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	4	4	0	:	0	9	0	0	:	p
	1600x900p										
Hexadecimal	31h	36h	30h	30h	3Ah	30h	39h	30h	30h	3Ah	70h
Character	1	6	0	0	:	0	9	0	0	:	p

	1600x1200p										
Hexadecimal	31h	36h	30h	30h	3Ah	31h	32h	30h	30h	3Ah	70h
Character	1	6	0	0	:	1	2	0	0	:	p
	1680x1050p										
Hexadecimal	31h	36h	38h	30h	3Ah	31h	30h	35h	30h	3Ah	70h
Character	1	6	8	0	:	1	0	5	0	:	p
	1920x1080p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h	3Ah	70h
Character	1	9	2	0	:	1	0	8	0	:	p
	1920x1080i										
Hexadecimal	31h	39h	32h	30h	3Ah	30h	30h	38h	30h	3Ah	69h
Character	1	9	2	0	:	1	0	8	0	:	i
	1920x1200p										
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	30h	30h	3Ah	70h
Character	1	9	2	0	:	1	2	0	0	:	p

3.80. QUERY HDMI 2 EDID - VERTICAL SCAN FREQUENCY [QVX:EDVI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	56h	49h	33h	03h				
Character	E	D	V	I	3					

■Response (Callback)

Hexadecimal	02h	45h	44h	56h	49h	32h	3Dh	2Bh	*1	*3
Character		E	D	V	I	2	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	60Hz					50Hz				
Hexadecimal	30h	36h	30h	30h	30h	30h	35h	30h	30h	30h
Character	0	6	0	0	0	0	5	0	0	0
	48Hz					30Hz				
Hexadecimal	30h	34h	38h	30h	30h	30h	33h	30h	30h	30h
Character	0	4	8	0	0	0	3	0	0	0
	25Hz					24Hz				
Hexadecimal	30h	32h	35h	30h	30h	30h	32h	34h	30h	30h
Character	0	2	5	0	0	0	2	4	0	0

3.81. QUERY DIGITAL LINK OUT - FRAME LOCK [QVX:OFLI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	46h	4Ch	49h	33h	03h				
Character	O	F	L	I	3					

■Response (Callback)

Hexadecimal	02h	4Fh	46h	4Ch	49h	33h	3Dh	*1	*3	*5
Character		O	F	L	I	3	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.82. QUERY DIGITAL LINK OUT - OUTPUT RESOLUTION [QVX:ORSS3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	52h	53h	53h	33h	03h				
Character	O	R	S	S	3					

■Response (Callback)

Hexadecimal	02h	4Fh	52h	53h	53h	33h	3Dh	*1	*3	*5
Character		O	R	S	S	3	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	1920x1200								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	32h	30h	30h
Character	1	9	2	0	:	1	2	0	0
	1920x1080								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h
Character	1	9	2	0	:	1	0	8	0
	1400x1050								
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h
Character	1	4	0	0	:	1	0	5	0
	1366x768								
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h
Character	1	3	6	6	:	0	7	6	8
	1280x800								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h
Character	1	2	8	0	:	0	8	0	0
	1024x768								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h
Character	1	0	2	4	:	0	7	6	8

3.83. QUERY DVI-D OUT - FRAME LOCK [QVX:OFLI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	46h	4Ch	49h	31h	03h				
Character	O	F	L	I	1					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	4Ch	49h	33h	3Dh	*1	*3	*5
Character		O	F	L	I	1	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.84. QUERY DIGITAL LINK OUT - OUTPUT RESOLUTION [QVX:ORSS1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Fh	52h	53h	53h	31h	03h				
Character	O	R	S	S	1					

■ Response (Callback)

Hexadecimal	02h	4Fh	52h	53h	53h	33h	3Dh	*1	*3	*5
Character		O	R	S	S	3	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	1920x1200								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	32h	30h	30h
Character	1	9	2	0	:	1	2	0	0
	1920x1080								
Hexadecimal	31h	39h	32h	30h	3Ah	31h	30h	38h	30h
Character	1	9	2	0	:	1	0	8	0
	1400x1050								
Hexadecimal	31h	34h	30h	30h	3Ah	31h	30h	35h	30h
Character	1	4	0	0	:	1	0	5	0
	1366x768								
Hexadecimal	31h	33h	36h	36h	3Ah	30h	37h	36h	38h
Character	1	3	6	6	:	0	7	6	8
	1280x800								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	38h	30h	30h
Character	1	2	8	0	:	0	8	0	0
	1024x768								
Hexadecimal	31h	30h	32h	34h	3Ah	30h	37h	36h	38h
Character	1	0	2	4	:	0	7	6	8

3.85. QUERY DVI-D OUT - CASCADE [QVX:CSCI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	43h	53h	43h	49h	31h	03h				
Character	C	S	C	I	1					

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	43h	53h	43h	49h	31h	3Dh	2Bh	*1	*3
Character		C	S	C	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.86. QUERY CLOSED CAPTION SETTING [QCC]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	43h	03h
Character		A	D	Z	Z	;	Q	C	C	

■Response (Callback)

Hexadecimal	02h	*1	03h
Character		*2	

■Parameters(*1,*2)

	OFF	CC1	CC2	CC3	CC4
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

3.87. QUERY BACK COLOR [QBC]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	43h	03h
Character		A	D	Z	Z	;	Q	B	C	

■Response (Callback)

Hexadecimal	02h	*1	03h
Character		*2	

■Parameters(*1,*2)

	BLUE	BLACK
Hexadecimal	30h	31h
Character	0	1

3.88. QUERY NO SIGNAL SLEEP [QVX:NSLI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	4Eh	53h	4Ch	49h	31h	03h				
Character	N	S	L	I	1					

■Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Eh	53h	4Ch	49h	31h	3Dh	2Bh	*1	*3
Character		N	S	L	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					10				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h
Character	0	0	0	0	0	0	0	0	1	0
	20					30				
Hexadecimal	30h	30h	30h	32h	30h	30h	30h	30h	33h	30h
Character	0	0	0	2	0	0	0	0	3	0

3.89. QUERY AUDIO SETTING - VOLUME [QAV]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	41h	56h	03h
Character		A	D	Z	Z	;	Q	A	V	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■ Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	31h	30h	30h	31h	30h	30h	32h
Character	0	0	1	0	0	1	0	0	2
	62			63					
Hexadecimal	30h	36h	32h	30h	36h	33h			
Character	0	6	2	0	6	3			

3.90. QUERY AUDIO SETTING - BALANCE [QBL]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	4Ch	03h
Character		A	D	Z	Z	;	Q	B	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

■ Parameters(*1,*2,*3,*4,*5,*6)

	-16			0			+16		
Hexadecimal	2Dh	31h	36h	2Bh	30h	31h	2Bh	30h	32h
Character	-	1	6	+	0	1	+	0	2

3.91. QUERY AUDIO SETTING - AUDIO OUT SELECT [QVX:AOSI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	4Fh	53h	49h	31h	03h				
Character	A	O	S	I	1					

■ Response (Callback)

Hexadecimal	02h	41h	4Fh	53h	49h	31h	3Dh	2Bh	*1	*3
Character		A	O	S	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	OFF					DIGITAL LINK				
Hexadecimal	30 h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO OUT									
Hexadecimal	30h	30h	30h	31h	30h					
Character	0	0	0	1	0					

3.92. QUERY AUDIO IN SELECT - HDMI 1 [QVX:AINI3]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	49h	4Eh	49h	33h	03h				
Character	A	I	N	I	3					

■ Response (Callback)

Hexadecimal	02h	41h	49h	4Eh	49h	33h	3Dh	2Bh	*1	*3
Character		A	I	N	I	3	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■ Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	HDMI 1 AUDIO IN					AUDIO IN 1				
Hexadecimal	30 h	30h	30h	30h	33h	30h	30h	30h	30h	30h
Character	0	0	0	0	3	0	0	0	0	0
	AUDIO IN 2					AUDIO IN 3				
Hexadecimal	30h	30 h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2
	OFF									
Hexadecimal	39 h	39h	39h	39h	39h					
Character	9	9	9	9	9					

3.93. QUERY AUDIO IN SELECT - HDMI 2 [QVX:AINI7]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	49h	4Eh	49h	37h	03h				
Character	A	I	N	I	7					

■Response (Callback)

Hexadecimal	02h	41h	49h	4Eh	49h	37h	3Dh	2Bh	*1	*3
Character		A	I	N	I	7	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	HDMI 2 AUDIO IN					AUDIO IN 1				
Hexadecimal	30 h	30h	30h	30h	33h	30h	30h	30h	30h	30h
Character	0	0	0	0	3	0	0	0	0	0
	AUDIO IN 2					AUDIO IN 3				
Hexadecimal	30h	30 h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2
	OFF									
Hexadecimal	39 h	39h	39h	39h	39h					
Character	9	9	9	9	9					

3.94. QUERY AUDIO IN SELECT - COMPUTER 1 [QVX:AINI0]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	49h	4Eh	49h	30h	03h				
Character	A	I	N	I	0					

■Response (Callback)

Hexadecimal	02h	41h	49h	4Eh	49h	30h	3Dh	2Bh	*1	*3
Character		A	I	N	I	0	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30 h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	30h	39 h	39h	39h	39h	39h
Character	0	0	0	0	0	9	9	9	9	9

3.95. QUERY AUDIO IN SELECT - COMPUTER 2 [QVX:AINI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	49h	4Eh	49h	31h	03h				
Character	A	I	N	I	1					

■Response (Callback)

Hexadecimal	02h	41h	49h	4Eh	49h	31h	3Dh	2Bh	*1	*3
Character		A	I	N	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30 h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	30h	39 h	39h	39h	39h	39h
Character	0	0	0	0	0	9	9	9	9	9

3.96. QUERY AUDIO IN SELECT - VIDEO [QVX:AINI4]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	49h	4Eh	49h	34h	03h				
Character	A	I	N	I	4					

■Response (Callback)

Hexadecimal	02h	41h	49h	4Eh	49h	34h	3Dh	2Bh	*1	*3
Character		A	I	N	I	4	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	AUDIO IN 1					AUDIO IN 2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30 h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	AUDIO IN 3					OFF				
Hexadecimal	30h	30h	30h	30h	30h	39 h	39h	39h	39h	39h
Character	0	0	0	0	0	9	9	9	9	9

3.97. QUERY AUTO SETUP [QVX:ASSI1]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	41h	53h	53h	49h	31h	03h				
Character	A	S	S	I	1					

■Response (Callback)

Hexadecimal	02h	41h	53h	53h	49h	31h	3Dh	2Bh	*1	*3
Character		A	S	S	I	1	=	+	*2	*4
Hexadecimal	*5	*7	*9	03h						
Character	*6	*8	*10							

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	AUTO					MANUAL				
Hexadecimal	30h	30h	30h	30h	31h	30h	30 h	30h	30h	32h
Character	0	0	0	0	1	0	0	0	0	2

3.98. QUERY BACKUP INPUT MODE [QVX:BACI2]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	88h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	42h	41h	43h	49h	32h	03h				
Character	B	A	C	I	2					

■Response (Callback)

Hexadecimal	02h	42h	41h	43h	49h	32h	3Dh	2Bh
Character		B	A	C	I	2	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					1					2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2

3.99. QUERY DEVICE TYPE [QID]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	44h	03h
Character		A	D	Z	Z	;	Q	I	D	

■Response (Callback)

ET-YFB200

Hexadecimal	02h	59h	46h	42h	32h	30h	03h	03h
Character		Y	F	B	2	0	0	

3.100. QUERY MAIN SOFTWARE VERSION [QVX:SVRS0]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	53h	56h	52h	53h	30h	03h				
Character	S	V	R	S	0					

■Response (Callback)

Hexadecimal	02h	53h	56h	52h	53h	30h	3Dh	*1	*3	*5
Character		S	V	R	S	0	=	*2	*4	*6
Hexadecimal	*7	*9	*11	*13	*15	03h				
Character	*8	*10	*12	*14	*16					

■Parameters(*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12. *13, *14, *15, *16)

Example : Ver 1.00

Hexadecimal	31h	2Eh	30h	30h
Character	1	.	0	0

Example : Ver 1.00.01

Hexadecimal	31h	2Eh	30h	30h	2Eh	30h	31h
Character	1	.	0	0	.	0	1

■Note

・Response (Callback) by undefined length.

4. 拡張制御コマンド

Start (STX)	ID	Command	Parameters	End (ETX)
1 byte	1 byte	1 byte or 2 byte	Undefined length	1 byte

ID of the extended control command

ID	Hexadecimal (1 byte)
ID オール	00
ID1	01
ID2	02
ID3	03
ID4	04
ID5	05
ID6	06
ID7	07
ID8	08
ID9	09
ID10	0A
ID11	0B
ID12	0C
ID13	0D
ID14	0E
ID15	0F
ID16	10
ID17	11
ID18	12
ID19	13
ID20	14
ID21	15
ID22	16

ID	Hexadecimal (1 byte)
ID23	17
ID24	18
ID25	19
ID26	1A
ID27	1B
ID28	1C
ID29	1D
ID30	1E
ID31	1F
ID32	20
ID33	21
ID34	22
ID35	23
ID36	24
ID37	25
ID38	26
ID39	27
ID40	28
ID41	29
ID42	2A
ID43	2B
ID44	2C
ID45	2D

ID	Hexadecimal (1 byte)
ID46	2E
ID47	2F
ID48	30
ID49	31
ID50	32
ID51	33
ID52	34
ID53	35
ID54	36
ID55	37
ID56	38
ID57	39
ID58	3A
ID59	3B
ID60	3C
ID61	3D
ID62	3E
ID63	3F
ID64	40
Group A	80
Group B	81
Group C	82
Group D	83

ID	Hexadecimal (1 byte)
Group E	84
Group F	85
Group G	86
Group H	87
Group I	88
Group J	89
Group K	8A
Group L	8B
Group M	8C
Group N	8D
Group O	8E
Group P	8F
Group Q	90
Group R	91
Group S	92
Group T	93
Group U	94
Group V	95
Group W	96
Group X	97
Group Y	98
Group Z	99