| | Control Commands (OGF = 0x01) | | |
|-----|---------------------------------|--------|---|
| No | Command Name | OpCode | Description |
| 1 | Inquiry | 0x0001 | Command used to enter Inquiry mode where it discovers other Bluetooth devices. |
| 2 | Inquiry_Cancel | 0x0002 | Command to cancel the Inquiry mode in which the Bluetooth device is in. |
| 3 | Periodic_Inquiry_Mode | 0x0003 | Command to set the device to enter Inquiry modes periodically according to the time interval set. |
| 4 | Exit_Periodic_Inquiry_Mode | 0x0004 | Command to exit the periodic Inquiry mode |
| 5 | Create_Connection | 0x0005 | Command to create an ACL connection to the device specified by the BD_ADDR in the parameters. |
| 6 | Disconnect | 0x0006 | Command to terminate the existing connection to a device |
| 7 | Add_SCO_Connection | 0x0007 | Create an SCO connection defined by the connection handle parameters. |
| 8 | Accept_Connection_Request | 0x0009 | Command to accept a new connection request |
| 9 | Reject_Connection_Request | 0x000A | Command to reject a new connection request |
| 10 | Link_Key_Request_Reply | 0x000B | Reply command to a link key request event sent from controller to the host |
| 11 | Link_Key_Request_Negative_Reply | 0x000C | Reply command to a link key request event from the controller to the host if there is no link key associated with the connection. |
| 12 | PIN_Code_Request_Reply | 0x000D | Reply command to a PIN code request event sent from a controller to the host. |
| 13 | PIN_Code_Request_Negative_Reply | 0x000E | Reply command to a PIN code request event sent from the controller to the host if there is no PIN associated with the connection. |
| 14 | Change_Connection_Packet_Type | 0x000F | Command to change the type of packets to be sent for an existing connection. |
| 15 | Authentication_Requested | 0x0011 | Command to establish authentication between two devices specified by the connection handle. |
| 16 | Set_Connection_Encryption | 0x0013 | Command to enable or disable the link level encryption. |
| 17 | Change_Connection_Link_Key | 0x0015 | Command to force the change of a link key to a new one between two connected devices. |
| 18 | Master_Link_Key | 0x0017 | Command to force two devices to use the master's link key temporarily. |
| 19 | Remote_Name_Request | 0x0019 | Command to determine the user friendly name of the connected device. |
| 20 | Read_Remote_Supported_Features | 0x001B | Command to determine the features supported by the connected device. |
| 21 | Read_Remote_Version_Information | 0x001D | Command to determine the version information of the connected device. |
| 22 | Read_Clock_Offset | 0x001F | Command to read the clock offset of the remote device. |
| HCI | Policy Command (OGF=0x02) | | |
| 1 | Hold_Mode | 0x0001 | Command to place the current or remote device into the Hold mode state. |
| 2 | Sniff_Mode | 0x0003 | Command to place the current or remote device into the Sniff mode state. |
| 3 | Exit_Sniff_Mode | 0x0004 | Command to exit the current or remote device from the Sniff mode state. |
| 4 | Park_Mode | 0x0005 | Command to place the current or remote device into the Park mode state. |
| 5 | Exit_Park_Mode | 0x0006 | Command to exit the current or remote device from the Park mode state. |

| 6 | QoS_Setup | 0x0007 | Command to setup the Quality of Service parameters of the device. |
|-----|---------------------------------|---------------|---|
| 7 | Role_Discovery | 0x0009 | Command to determine the role of the device for a particular connection. |
| 8 | Switch_Role | 0x000B | Command to allow the device to switch roles for a particular connection. |
| 9 | Read_Link_Policy_Settings | 0x000C | Command to determine the link policy that the LM can use to establish connections. |
| 10 | Write_Link_Policy_Settings | 0x000D | Command to set the link policy that the LM can use for a particular connection. |
| Hos | st Controller and Baseband Comm | ands (OGF=0x0 | · - |
| 1 | Set_Event_Mask | 0x0001 | Command to set which events are generated by the HCI for the host. |
| 2 | Reset | 0x0003 | Command to reset the host controller, link manager and the radio module. |
| 3 | Set_Event_Filter | 0x0005 | Command used by host to set the different types of event filters that the host needs to receive. |
| 4 | Flush | 0x0008 | Command used to flush all pending data packets for transmission for a particular connection handle. |
| 5 | Read_PIN_Type | 0×0009 | Command used by host to determine if the link manager assumes that the host requires a variable PIN type or fixed PIN code. PIN is used during pairing. |
| 6 | Write_PIN_Type | 0x000A | Command used by host to write to the host controller on the PIN type supported by the host. |
| 7 | Create_New_Unit_Key | 0x000B | Command used to create a new unit key. |
| 8 | Read_Stored_Link_Key | 0x000D | Command to read the link key stored in the host controller. |
| 9 | Write_Stored_Link_Key | 0x0011 | Command to write the link key to the host controller |
| 10 | Delete_Stored_Link_Key | 0x0012 | Command to delete a stored link key in the host controller. |
| 11 | Change_Local_Name | 0x0013 | Command to modify the user friendly name of the device. |
| 12 | Read_Local_Name | 0x0014 | Command to read the user friendly name of the device. |
| 13 | Read_Connection_Accept_Timeout | 0x0015 | Command to determine the timeout session before the host denies and rejects a new connection request. |
| 14 | Write_Connection_Accept_Timeout | 0x0016 | Command to set the timeout session before a device can deny or reject a connection request. |
| 15 | Read_Page_Timeout | 0x0017 | Command to read the timeout value where a device will wait for a connection acceptance before sending a connection failure is returned. |
| 16 | Write_Page_Timeout | 0x0018 | Command to write the timeout value where a device will wait for a connection acceptance before sending a connection failure is returned. |
| 17 | Read_Scan_Enable | 0x0019 | Command to read the status of the Scan_Enable configuration. |
| 18 | Write_Scan_Enable | 0x001A | Command to set the status of the Scan_Enable configuration. |
| 19 | Read_Page_Scan_Activity | 0x001B | Command to read the value of the Page_Scan_Interval and Page_Scan_Window configurations. |
| 20 | Write_Page_Scan_Activity | 0x001C | Command to write the value of the Page_Scan_Interval and Page_Scan_Window configurations. |
| 21 | Read_Inquiry_Scan_Activity | 0x001D | Command to read the value of the Inquiry_Scan_Interval and Inquiry_Scan_Window configurations. |

| Write_Inquiry_Scan_Activity | | | <u> </u> | |
|--|----|---|----------|---|
| Read_Authentication_Enable Command to read the Authentication_Enable | | | | Command to set the value of the |
| parameter. write_Authentication_Enable bx0020 write_Authentication_Enable bx0021 command to set the Authentication_Mode parameter. command to write the Encryption_Mode parameter. bx0022 command to write the Encryption_Mode parameter. command to set the Class_Of_Device parameter. command to read the Voice_Setting parameter. Used for voice connections. command to set the Flush_Timeout parameter. command to read the number of time a broadcast nessage is retransmitted. command to set the Flush_Timeout parameter. command to set the Hold_Mode_Activity parameter. command to set the Flush_Timeout p | 22 | Write_Inquiry_Scan_Activity | 0x001E | configurations. |
| yrite_Automatic_Inable | 23 | Read_Authentication_Enable | 0x001F | |
| 25 Read_Encryption_Mode 0x0021 Command to read the Encryption_Mode parameter. 27 Read_Class Of_Device 0x0022 Command to write the Encryption_Mode parameter. 28 Write_Class_Of_Device 0x0024 Command to read the Class_Of_Device parameter. 29 Read_Voice_Setting 0x0025 Command to set the Voice_Setting parameter. 30 Write_Voice_Setting 0x0026 Command to set the Voice_Setting parameter. 31 Read_Automatic_Flush_Timeout 0x0027 Command to set the Flush_Timeout parameter. 32 Write_Automatic_Flush_Timeout 0x0028 Command to set the Flush_Timeout parameter. 33 Read_Num_Broadcast_Retransmissions 0x0029 Command to read the Flush_Timeout parameter. 34 Write_Num_Broadcast_Retransmissions 0x0029 Command to set the Flush_Timeout parameter. 35 Read_Hold_Mode_Activity 0x0028 Command to set the number of time a broadcast message is retransmitted. 36 Write_Hold_Mode_Activity 0x0020 Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. 37 Read_Transmit_Power_Level 0x0020 Comman | 24 | Write_Authentication_Enable | 0x0020 | —————————————————————————————————————— |
| 26 Write_Encryption_Mode Dx0022 Command to write the Encryption_Mode parameter. 27 Read_Class_Of_Device Dx0023 Command to read the Class_Of_Device parameter. 28 Write_Class_Of_Device Dx0024 Command to set the Class_Of_Device parameter. 29 Read_Voice_Setting Dx0025 Used for voice connections. 30 Write_Voice_Setting Dx0026 Command to read the Voice_Setting parameter. 30 Write_Automatic_Flush_Timeout Dx0027 Command to set the Voice_Setting parameter. 31 Read_Automatic_Flush_Timeout Dx0028 Command to set the Flush_Timeout parameter. 32 Write_Automatic_Flush_Timeout Dx0028 Command to set the Flush_Timeout parameter. 33 Read_Num_Broadcast_Retransmissions Dx0029 Command to set the Flush_Timeout parameter. 34 Write_Num_Broadcast_Retransmissions Dx0029 Command to set the Hold_Node activity to instruct the device to perform an activity during hold mode. 35 Read_Hold_Mode_Activity Dx0020 Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. 40 Write_Hold_Mode_Activity Dx0025 | 25 | Read Encryption Mode | 0x0021 | Command to read the Encryption Mode parameter. |
| Read_Class_Of_Device | | | 0x0022 | |
| 29 Read_Voice_Setting | | Read_Class_Of_Device | 0x0023 | |
| Write_Voice_Setting Nounces | 28 | Write_Class_Of_Device | 0x0024 | Command to set the Class_Of_Device parameter. |
| ror voice connections. Read_Automatic_Flush_Timeout No0227 Write_Automatic_Flush_Timeout No0228 Write_Automatic_Flush_Timeout No0229 Write_Automatic_Flush_Timeout No0229 Read_Num_Broadcast_Retransmissions No0229 Read_Num_Broadcast_Retransmissions No0229 Read_Hold_Mode_Activity No0226 Write_Hold_Mode_Activity No0227 Read_Transmit_Power_Level Read_Transmit_Power_Level No0226 Read_SCO_Flow_Control_Enable No0227 Nrite_SCO_Flow_Control_Enable No0226 Set_Host_Controller_To_Host_Flow_Control No0231 Read_Link_Supervision_Timeout No0235 Read_Link_Supervision_Timeout No0236 Read_Number_Of_Supported_IAC No0237 Read_Number_Of_Supported_Mode No0238 No0249 No025 Command to set the Hold_Mode Activity to instruct the device to perform an activity during hold mode. Command to set the Hold_Mode Activity parameter. Command to set the Hold_Mode Activity parameter. Command to set the Hold_Mode Activity parameter. Command to check the current status of the flow control for a connection handle. Command to set the status of the flow control for a connection handle. Command to set the flow control from the host controller to host in on or off state. Command to set the flow control from the host controller of the buffer size of the host for ACL and SCO connections. Command set from host to host controller when it is ready to receive more data packets. Command to read the timeout for monitoring link losses. Command to set the timeout for monitoring link losses. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the timeout session of a page scan. Read_Page_Scan_Period_Mode No03030 Command to read the default Page scan mode. | 29 | Read_Voice_Setting | 0x0025 | |
| Read_Automatic_Flush_Timeout South | 30 | Write_Voice_Setting | 0x0026 | — · |
| Write_Automatic_Flush_Timeout 0x0028 Command to set the Flush_Timeout parameter. Used for ACL connections only. Command to read the number of time a broadcast message is retransmitted. Command to set the number of time a broadcast message is retransmitted. Command to set the number of time a broadcast message is retransmitted. Command to set the number of time a broadcast message is retransmitted. Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. Write_Hold_Mode_Activity 0x002C Command to set the Hold_Mode_Activity parameter. Command to set the Hold_Mode_Activity parameter. Command to set the Hold_Mode_Activity parameter. Command to read the power level required for transmission for a connection handle. Write_SCO_Flow_Control_Enable 0x002E Command to set the status of the flow control for the SCO connection. Command to set the status of the flow control for the SCO connection. Command to set the flow control from the host controller to host in on or off state. Command to set the flow control from the host controller to host in on or off state. Command to set the flow control from the host controller to host in on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Command set from host to host controller when it is ready to receive more data packets. Command to read the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the timeout session of a page scan. Write_Current_IAC_LAP 0x003B Command to read the timeout session of a page scan. Command to read the default Page scan mode. | 31 | Read_Automatic_Flush_Timeout | 0x0027 | Command to read the Flush_Timeout parameter. |
| Read_Num_Broadcast_Retransmissions Nx0029 Command to read the number of time a broadcast message is retransmitted. Command to set the number of time a broadcast message is retransmitted. Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. Command to set the Hold_Mode_Activity of the device to perform an activity during hold mode. Command to read the power level required for transmission for a connection handle. Command to read the power level required for transmission for a connection handle. Command to set the status of the flow control for the SCO connection. Command to set the status of the flow control for a connection handle. Command to set the flow control from the host controller to host in on or off state. Command to set the flow control from the host controller to host in on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Host_Number_Of_Completed_Packets Nx0035 Read_Link_Supervision_Timeout Nx0036 Read_Link_Supervision_Timeout Nx0037 Command to read the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the timeout session of a page scan. Write_Page_Scan_Period_Mode Nx003B Nx003D Command to set the timeout session of a page scan. | 32 | Write_Automatic_Flush_Timeout | 0x0028 | Command to set the Flush_Timeout parameter. |
| Write_Num_Broadcast_Retransmissions | 33 | Read_Num_Broadcast_Retransmissions | 0x0029 | Command to read the number of time a broadcast |
| Read_Hold_Mode_Activity Dx002B Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. Write_Hold_Mode_Activity Read_Transmit_Power_Level Read_SCO_Flow_Control_Enable Write_SCO_Flow_Control_Enable Set_Host_Controller_To_Host_Flow_Control Host_Buffer_Size Dx0035 Read_Link_Supervision_Timeout Write_Link_Supervision_Timeout Read_Number_Of_Supported_IAC Read_Current_IAC_LAP Write_Current_IAC_LAP Write_Current_IAC_LAP Write_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Dx003C Command to set the Hold_Mode activity to instruct the device to perform an activity during hold mode. Command to set the Hold_Mode_Activity parameter. Command to set the Hold_Mode_Activity during hold mode. Command to set the Hold_Mode_Activity parameter. Command to read the plower level required for transmission for a connection handle. Command to check the current status of the flow control for the SCO connection. Command to set the status of the flow control for a connection handle. Command to set the status of the flow control for a connection handle. Command to set the flow control from the host controller of the buffer size of the host for ACL and SCO connections. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Command set from host to host controller when it is ready to receive more data packets. Command to read the timeout for monitoring link losses. Command to read the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to read the timeout session of a page scan. Write_Page_Scan_Period_Mode Dx003B Command to read the timeout session of a page scan. | 34 | Write_Num_Broadcast_Retransmissions | 0x002A | |
| 36 Write_Hold_Mode_Activity 0x002C Command to set the Hold_Mode_Activity parameter. 37 Read_Transmit_Power_Level 0x002D Command to read the power level required for transmission for a connection handle. 38 Read_SCO_Flow_Control_Enable 0x002E Command to check the current status of the flow control for the SCO connection. 39 Write_SCO_Flow_Control_Enable 0x002F Command to set the status of the flow control for a connection handle. 40 Set_Host_Controller_To_Host_Flow_Control 0x0031 Command to set the flow control from the host controller to host in on or off state. 41 Host_Buffer_Size 0x0033 Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. 42 Host_Number_Of_Completed_Packets 0x0035 Command set from host to host controller when it is ready to receive more data packets. 43 Read_Link_Supervision_Timeout 0x0036 Command to read the timeout for monitoring link losses. 44 Write_Link_Supervision_Timeout 0x0037 Command to set the timeout for monitoring link losses. 45 Read_Number_Of_Supported_IAC 0x0038 Command to read the number of IACs that the device can listen on during Inquiry access. 46 Read_Current_IAC_LAP 0x0039 | 35 | Read_Hold_Mode_Activity | 0x002B | Command to set the Hold_Mode activity to instruct |
| transmission for a connection handle. Read_SCO_Flow_Control_Enable 0x002E Command to check the current status of the flow control for the SCO connection. Write_SCO_Flow_Control_Enable 0x002F Command to set the status of the flow control for a connection handle. Command to set the status of the flow control for a connection handle. Command to set the flow control from the host controller to host in on or off state. Command to set the flow control from the host controller to host in on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Command set from host to host controller when it is ready to receive more data packets. Read_Link_Supervision_Timeout 0x0036 Write_Link_Supervision_Timeout 0x0037 Command to set the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Write_Current_IAC_LAP 0x0038 Read_Page_Scan_Period_Mode 0x003B Command to set the timeout session of a page scan. Write_Page_Scan_Period_Mode 0x003C Command to set the timeout session of a page scan. Command to read the default Page scan mode. | 36 | Write_Hold_Mode_Activity | 0x002C | |
| Read_SCO_Flow_Control_Enable 0x002E Command to check the current status of the flow control for the SCO connection. Command to set the status of the flow control for a connection handle. Command to set the flow control from the host controller to host in on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Host_Number_Of_Completed_Packets 0x0035 Read_Link_Supervision_Timeout 0x0036 Read_Number_Of_Supported_IAC 0x0037 Read_Number_Of_Supported_IAC 0x0038 Read_Current_IAC_LAP 0x0039 Read_Page_Scan_Period_Mode 0x003C Command to set the flow control from the host controller on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Command set from host to host controller when it is ready to receive more data packets. Command to read the timeout for monitoring link losses. Command to read the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to set the LAP for the current IAC. Command to set the LAP for the current IAC. Command to read the timeout session of a page scan. Write_Page_Scan_Period_Mode 0x003B Command to set the timeout session of a page scan. Command to read the default Page scan mode. | 37 | Read_Transmit_Power_Level | 0x002D | · · · · · · · · · · · · · · · · · · · |
| connection handle. Command to set the flow control from the host controller to host in on or off state. Command set by host to inform the host controller of the buffer size of the host for ACL and SCO connections. Host_Number_Of_Completed_Packets Read_Link_Supervision_Timeout Write_Link_Supervision_Timeout Read_Number_Of_Supported_IAC Read_Current_IAC_LAP Read_Current_IAC_LAP Write_Current_IAC_LAP Write_Current_IAC_LAP Read_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Write_Page_Scan_Mode Nx0035 Command to set the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to read the LAP for the current IAC. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. | 38 | Read_SCO_Flow_Control_Enable | 0x002E | |
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| ready to receive more data packets. Read_Link_Supervision_Timeout Ox0036 Write_Link_Supervision_Timeout Ox0037 Read_Number_Of_Supported_IAC Read_Current_IAC_LAP Write_Current_IAC_LAP Read_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Write_Page_Scan_Mode Ox003B Read_Page_Scan_Mode Ox003C Command to read the timeout for monitoring link losses. Command to read the number of IACs that the device can listen on during Inquiry access. Command to read the LAP for the current IAC. Command to set the LAP for the current IAC. Command to read the timeout session of a page scan. Command to read the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to read the default Page scan mode. | 41 | Host_Buffer_Size | 0x0033 | of the buffer size of the host for ACL and SCO |
| Write_Link_Supervision_Timeout Ox0036 losses. | 42 | Host_Number_Of_Completed_Packets | 0x0035 | Command set from host to host controller when it is ready to receive more data packets. |
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| device can listen on during Inquiry access. Read_Current_IAC_LAP Ox0039 Command to read the LAP for the current IAC. Write_Current_IAC_LAP Ox003A Command to set the LAP for the current IAC. Command to read the timeout session of a page scan. Write_Page_Scan_Period_Mode Write_Page_Scan_Period_Mode Ox003C Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. | 44 | Write_Link_Supervision_Timeout | 0x0037 | |
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| Read_Page_Scan_Period_Mode 0x003B Command to read the timeout session of a page scan. Write_Page_Scan_Period_Mode 0x003C Command to set the timeout session of a page scan. Command to set the timeout session of a page scan. Command to read the default Page scan mode. | | Read_Current_IAC_LAP | 0x0039 | |
| 48 Read_Page_Scan_Period_Mode | 47 | Write_Current_IAC_LAP | 0x003A | Command to set the LAP for the current IAC. |
| 50 Read_Page_Scan_Mode 0x003D Command to read the default Page scan mode. | 48 | Read_Page_Scan_Period_Mode | 0x003B | |
| | | Write_Page_Scan_Period_Mode | . | |
| 51 Write_Page_Scan_Mode 0x003E Command to set the default page scan mode. | | | | |
| | 51 | Write_Page_Scan_Mode | 0x003E | Command to set the default page scan mode. |

HCI Events

| No | Command Name | Event Code | Description |
|----|---|-------------------|--|
| | Inquiry_Complete_Event | 0x01 | Indicates the Inquiry has finished. |
| | Inquiry_Result_Event | 0x02 | Indicates that Bluetooth device(s) have responded for the inquiry. |
| | Connection_Complete_Event | 0x03 | Indicates to both hosts that the new connection has been formed. |
| | Connection_Request_Event | 0x04 | Indicates that a new connection is trying to be established. |
| ; | Disconnection_Complete_Event | 0x05 | Occurs when a connection has been disconnected. |
| 5 | Authentication_Complete_Event | 0x06 | Occurs when an authentication has been completed. |
| 7 | Remote_Name_Request_Complete_Event | 0x07 | Indicates that the request for the remote name has been completed. |
| 3 | Encryption_Change_Event | 0x08 | Indicates that a change in the encryption has been completed. |
|) | Change_Connection_Link_Key_Complete_Event | 0x09 | Indicates that the change in the link key has been completed. |
| 10 | Master_Link_Key_Complete_Event | 0x0A | Indicates that the change in the temporary link key or semi permanent link key on the master device is complete. |
| 11 | Read_Remote_Supported_Features_Complete_Event | 0x0B | Indicates that the reading of the supported features on the remote device is complete. |
| 12 | Read_Remote_Version_Complete_Event | 0x0C | Indicates that the version number on the remote device has been read and completed. |
| 13 | Q0S_Setup_Complete_Event | 0x0D | Indicates that the Quality of Service setup has been complete. |
| 14 | Command_Complete_Event | 0x0E | Used by controller to send status and event parameters to the host for the particular command. |
| 15 | Command_Status_Event | 0x0F | Indicates that the command has been received and is being processed in the host controller. |
| 16 | Hardware_Error_Event | 0x10 | Indicates a hardware failure of the Bluetooth device. |
| 17 | Flush_Occured_event | 0x11 | Indicates that the data has been flushed for a particular connection. |
| 18 | Role_Change_Event | 0x12 | Indicates that the current bluetooth role for a connection has been changed. |
| 19 | Number_Of_Completed_Packets_Event | 0x13 | Indicates to the host the number of data packets sent compared to the last time the same event was sent. |
| 20 | Mode_Change_Event | 0x14 | Indicates the change in mode from hold, sniff, park or active to another mode. |
| 21 | Return_Link_Keys_Event | 0x15 | Used to return stored link keys after a Read_Stored_Link_Key command was issued. |
| 2 | PIN_Code_Request_Event | 0x16 | Indicates the a PIN code is required for a new connection. |
| 23 | Link_Key_Request_Event | 0x17 | Indicates that a link key is required for the connection. |
| 24 | Link_Key_Notification_Event | 0x18 | Indicates to the host that a new link key has been created. |
| 25 | Loopback_Command_Event | 0x19 | Indicates that command sent from |

| | | | the host will be looped back. |
|----|--|------|--|
| 26 | Data_Buffer_Overflow_Event | 0x1A | Indicates that the data buffers on the host has overflowed. |
| 27 | Max_Slots_Change_Event | 0x1B | Informs the host when the LMP_Max_Slots parameter changes. |
| 28 | Read_Clock_Offset_Complete_Event | 0x1C | Indicates the completion of reading the clock offset information. |
| 29 | Connection_Packet_Type_Changed_Event | 0x1D | Indicate the completion of the packet type change for a connection. |
| 30 | QoS_Violation_Event | 0x1E | Indicates that the link manager is unable to provide the required Quality of Service. |
| 31 | Page_Scan_Mode_Change_Event | 0x1F | Indicates that the remote device has successfully changed the Page Scan mode. |
| 32 | Page_Scan_Repetition_Mode_Change_Event | 0x20 | Indicates that the remote device has successfully changed the Page Scan Repetition mode. |

HCI Error Codes

| No | Command Name | Error Code |
|----|---|------------|
| 1 | Unknown HCI Command | 0x01 |
| 2 | No Connection | 0x02 |
| 3 | Hardware Failure | 0x03 |
| 4 | Page Timeout | 0x04 |
| 5 | Authentication Failure | 0x05 |
| 6 | Key Missing | 0x06 |
| 7 | Memory Full | 0x07 |
| 8 | Connection Timeout | 0x08 |
| 9 | Max Number Of Connections | 0x09 |
| 10 | Max Number Of SCO Connections To A Device | 0x0A |
| 11 | ACL Connection Already Exists | 0x0B |
| 12 | Command Disallowed | 0x0C |
| 13 | Host Rejected Due To Limited Resources | 0x0D |
| 14 | Host Rejected Due To Security Reasons | 0x0E |
| 15 | Host Rejected Due To A Remote Device Only A Personal Device | 0x0F |
| 16 | Host Timeout | 0x1 |
| 17 | Unsupported Feature Or Parameter Value | 0x11 |
| 18 | Invalid HCI Command Parameters | 0x12 |
| 19 | Other End Terminated Connection: User Ended Connection | 0x13 |
| 20 | Other End Terminated Connection: Low Resources | 0x14 |
| 21 | Other End Terminated Connection: About To Power Off | 0x15 |
| 22 | Connection Terminated By Local Host | 0x16 |
| 23 | Repeated Attempts | 0x17 |
| 24 | Pairing Not Allowed | 0x18 |
| 25 | Unknown LMP PDU | 0x19 |
| 26 | Unsupported Remote Feature | 0x1A |
| 27 | SCO Offset Rejected | 0x1B |
| 28 | SCO Interval Rejected | 0x1C |
| 29 | SCO Air Mode Rejected | 0x1D |
| 30 | Invalid LMP Parameters | 0x1E |
| 31 | Unspecified Error | 0x1F |
| 32 | Unsupported LMP Parameter | 0x20 |
| 33 | Role Change Not Allowed | 0x21 |
| 34 | LMP Response Timeout | 0x22 |

| 35 | LMP Error Transaction Collision | 0x23 |
|----|-------------------------------------|-----------|
| 36 | LMP PDU Not Allowed | 0x24 |
| 37 | Encryption Mode Not Acceptable | 0x25 |
| 38 | Unit Key Used | 0x26 |
| 39 | QoS Not Supported | 0x27 |
| 40 | Instant Passed | 0x28 |
| 41 | Pairing With Unit Key Not Supported | 0x29 |
| 42 | Reserved For Future Use | 0x2A-0xFF |