Chapter 5: Classic Bluetooth

Time: 3 Hours

At the end of this chapter you will understand the basics of Classic Bluetooth and how to create Classic Bluetooth projects on WICED devices.

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# Getting Connected

## Inquiry

Extended Inquiry Response (EIR)

Inquiry (state for masters)

Inquiry Scan (state for Slaves)

## Page

A connection procedure where the master pages the slave

## Sniff

## Hold

## Park

# RFCOMM

Channel 1-30

# L2CAP

# Service Discovery Protocol (SDP)

## SDP Database

## Service Discovery Server

WTF is an SDP\_ATTR\_SEQUENCE?

Service Records

WTF is a type sequence?

Type, Size, Value

SDP\_ATTR\_BROWSE\_LIST

Service Record Handle SDP\_ATTR\_RECORD\_HANDLE

Service Class ID List – list of service class UUIDs – mandatory field

Service ID – SDP\_ATTR\_CLASS\_ID - single UUID

Service Name – SDP\_ATTR\_SERVICE\_NAME

Service Description (text string)

Protocol Descriptor List - SDP\_ATTR\_RFCOMM\_PROTOCOL\_DESC\_LIST – a list of protocols and port numbers used by the service

Profile Descriptor List - SDP\_ATTR\_PROFILE\_DESC – a list of the bt profile profiles that the service complies with

# Serial Port Profile

# NVRAM

# Profiles

## HID

## OBEX

## PAN, FTP, Image Exchange

## IP

## Device Information

## Health

## Audio

### A2DP

### ACSB

### AVDTP

### AVRCP

### HFP