DPR650 Specific API Features

# Properties:

## DPR650\_JSRHidPulserReceiver.FineAttenuation

This is a Byte 0 to 255, where 0 means no extra attenuation. 255 means apply the maximum amount of attenuation, which is value of approximately 1 dB. The exact value is available in another property.

## DPR650\_JSRHidPulserReceiver.FineAttenuationMaxDB

This is a Double value, which is the amount of fine attenuation expected when the above FineAttenuation property is set to 255. It is typically around 1.2 dB. This value is not necessarily the same for every unit, it is a fixed calibration value that is determined at manufacture time.

## DPR650\_JSRHidPulserReceiver.FineAttenuationMidpointCorrection

This is a Double value, which can be used to correct for non-linearity of the fine attenuation response. It is the amount of fine attenuation when the FineAttenuation property is set to 128. This value is not necessarily the same for every unit, it is a fixed calibration value that is determined at manufacture time.

## DPR650\_JSRHidPulserReceiver.PulserLEDOverride

This is an integer value, which overrides the default LED color on the remote pulser. Gets or sets the remote pulser LED override value. This allows the user to override the current remote pulser LED color.Colors are 0=dark, 1=blue, 2=green, 3=turquoise, 4=red,5=purple, 6=yellow, 7=white, 255 = Return to default color based on the current state of the Remote Pulser. I.E. Blue for Idle, Red when Triggered with HV Supply Enabled etc.

## Accessing the custom properties by name

These properties can be accessed by casting an IPulserReceiver object to a DPR650\_JSRHidPulserReceiver and then using the properties directly. They can also be read or set with GetPulserPropertyValue(“property name”) or SetPulserPropertyValue(“property name”), where “property name” could be:

FineAttenuation - get or set

FineAttenuationMaxDB - get only

FineAttenuationMidpointCorrection - get only

PulserLEDOverride – get or set

For example:

byte curAttenByte = m\_jsrManager.GetPulserPropertyValue(“FineAttenuation”);