FIFISH V6s/V6
Curvature Settings

Version 1.0 2020-05-19
FIFISH Support Team
Application for Curvature Setting

• More accurate operation

Especially useful in grabbing underwater objects with robotic arms.
Curvature Setting
System Requirements

• **FIFISH App**
  - iOS System version 3.9.3 or later
  - Android System version 4.4.4 or later
• **Firmware Requirements**
  - Wi-Fi Version v0518.20200320
  - V6 Version v0131.20200325.4134
  - Camera Version 20200327
Curvature Setting is under General Settings

In General Settings
1. Select Control column
2. then choose "Curvature"
Curvature Setting in Move

Move Settings
This only respond for linear displacement of controlling ROV

1. The curvature means the control stick moving angle VS throttle
   The bigger number will offer more accurate and precise movement

2. The Attenuation value define the max thruster speed
   Bigger number will offer faster movement
Curvature Setting in Rotate

Rotate Settings
This only respond for angular displacement of controlling ROV

1. The curvature means the control stick moving angle VS throttle
   The bigger number will offer more accurate and precise rotation

2. The Attenuation value define the max thruster speed
   Bigger number will offer faster rotation
## Recommendations Setting Chart

<table>
<thead>
<tr>
<th>Application Case</th>
<th>MOVE Curvature</th>
<th>MOVE Attenuation</th>
<th>ROTATE Curvature</th>
<th>ROTATE Attenuation</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cruise</td>
<td>0-30</td>
<td>80-90</td>
<td>50 or up</td>
<td>50-60</td>
<td>Make the best use of moving thrust, and avoid oversteering</td>
</tr>
<tr>
<td>Grabbing with robotic arm or closer observation</td>
<td>60-80</td>
<td>about 50</td>
<td>60-80</td>
<td>about 50</td>
<td>Providing more accurate movement and rotation, and avoid over adjustment</td>
</tr>
</tbody>
</table>