

## Advantech AE Technical Share Document

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<b>Category</b>	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	<b>Related OS</b>	N/A
<b>Abstract</b>	How to use WISE-2410/4610 JavaScript sample parser if using / not using Node-Red?		
<b>Keyword</b>	WISE, LoRaWAN, JavaScript		
<b>Related Product</b>	WISE-2410, WISE-4610 series		

■ **Problem Description:**

WISE-2410/4610 JavaScript sample parser can be applied on Node-Red or JavaScript runtime environment. This document explains how to modify according to the runtime requirements.

■ **Brief Solution - Step by Step:**

The JavaScript sample code is not only for Node-Red. It can be applied into any platform where accept JavaScript. Just need to modify the input source and output destination to match both the sample code and the platform requirements.

**Section 1: if using Node-Red environment.**

Modify this Boolean variable as “true”.

```

11 ////////////////////////////////////////////////////////////////////
12 // User defined variables
13 ////////////////////////////////////////////////////////////////////
14
15 // If program is run in NodeRed. True: run in NodeRed, False: not run in NodeRed
16 var bIsRunNodeRed = true;
    
```

**Section 2: if using JavaScript runtime environment.**

3 steps to apply this sample code.

1. Keep it “false”.

```

11 ////////////////////////////////////////////////////////////////////
12 // User defined variables
13 ////////////////////////////////////////////////////////////////////
14
15 // If program is run in NodeRed. True: run in NodeRed, False: not run in NodeRed
16 var bIsRunNodeRed = false;
    
```

## 2. Modify input:

```
125 ///////////////////////////////////////////////////////////////////
126 // Variables
127 ///////////////////////////////////////////////////////////////////
128
129 //input data is hex string
130 var receivedString =
```

## 3. Modify output inside “else{}”:

```
1128 ///////////////////////////////////////////////////////////////////
1129 //return data
1130 ///////////////////////////////////////////////////////////////////
1131
1132 if(bIsRunNodeRed){
1133     msg.payload = message;
1134     var output = [msg];
1135     if (csvMessage.length > 0) {
1136         output.push({payload: csvMessage});
1137
1138         if (typeof lostPacketInfo.LOG_INDEX != 'undefined') {
1139             output.push({payload: JSON.stringify(lostPacketInfo)});
1140
1141             lostPacketInfo = {};
1142         }
1143     }
1144     return output;
1145 }else{
1146     node.warn(JSON.stringify(message, null, 4));
1147     node.warn(csvMessage);
1148 }
```