

## aardio 范例: 歌词解析，WMPlayer.OCX 音频播放控制，显示播放进度

```
//LRC 歌词解析
import fonts.FontAwesome;
import win.ui;
/DSG{ {/
var winform = win.form(text="歌词解析，WMPlayer.OCX 音频播放控制，显示播放进度";right=695;bottom=374;border="dialog frame";max=false;min=false)
winform.add(
    btnPause={cls="plus";text="暂停";left=445;top=335;right=544;bottom=363;align="left";bgcolor=-5197169;disabled=1;font=LOGFONT(h=-16);iconStyle={align="left";font=LOGFONT(h=-16;name
    btnPlay={cls="plus";text="播放";left=562;top=335;right=652;bottom=363;align="left";bgcolor=-5197169;font=LOGFONT(h=-16);iconStyle={align="left";font=LOGFONT(h=-16;name='FontAwesom
    edit={cls="richedit";left=15;top=68;right=414;bottom=327;db=1;dl=1;dr=1;dt=1;edge=1;hscroll=1;multiline=1;readonly=1;vscroll=1;z=3};
    lbBrowser={cls="static";left=427;top=67;right=682;bottom=326;db=1;dr=1;dt=1;notify=1;z=2};
    lbWmplayer={cls="static";left=15;top=9;right=682;bottom=53;dl=1;dr=1;dt=1;notify=1;z=1};
    plus={cls="plus";text='uF027';left=10;top=339;right=35;bottom=362;color=1938422;db=1;dr=1;font=LOGFONT(h=-19;name='FontAwesome');repeat="scale";z=7};
    progress={cls="plus";left=15;top=57;right=682;bottom=61;bgcolor=6447459;forecolor=9959653;notify=1;z=4};
    volume={cls="plus";left=40;top=343;right=156;bottom=355;bgcolor=-2512093;border={radius=1};color=23807;db=1;dr=1;foreRepeat="expand";foreRight=13;forecolor=-14911489;notify=1;pa
)
/*} */

winform.edit.text = /*
下面的歌词考虑到了各种不规范写法,但string,lrc都可以解析出来
[ti:给我一首歌的时间]
[ar:周杰伦]
[al:魔杰座]
[offset:200]
歌词时间补偿，在显示歌词的timer事件中加入计算，目的是方便后期实现用户自定义歌词补偿时间
[00:02.00]周杰伦 - 给我一首歌的时间
支持00:02. 00:02.10. 00:02.100
[00:04.00]词：周杰伦 曲：周杰伦
[00:06.00]
[00:08.00]放飞心情
[00:10.00]
无关字符串~~~~无关字符串~~~~
[00:18.020] [01:31.057]雨淋湿了天空（缺少换行） [01:33.60] [00:20.35]毁得很讲究 [00:22.30] [01:35.63]你说你不懂
[00:23.086] [01:37.013]为何在这时牵手
[01:39.66] [00:26]我晒干了沉默
[00:28.47] [01:41]悔得很冲动
[00:30.52] [01:43]就算这是做错
[01:45.31] [00:32]也只是怕错过
[00:34.24]
无关字符串~~~~无关字符串~~~~
[00:34] [01:48]在一起叫梦（缺少毫秒）
[01:50] [00:37]分开了叫痛（缺少毫秒）
[00:39] [01:52]是不是说（缺少毫秒）
[01:53.41] [00:40.22]没有做完的梦最痛
[00:43.11] [01:56.28]迷路的后果
[01:58.23] [00:45.06]我能承受
[00:46.31] [01:59.54]这最后的出口
[00:48.62] [02:01.80]在爱过了才有
[00:52.49]
[03:31.81] [00:53.19] [01:09.44] [03:15.55] [02:06.47] [02:22.64]能不能给我一首歌的时间
[02:10.47] [00:57.25] [03:19.61]紧紧的把那拥抱变成永远
[01:01.33] [02:14.51] [03:23.63]在我的怀里你不用害怕失眠
[02:18.57] [03:27.75] [01:05.32]哦 如果你能忘记我也能失忆
[01:13.52] [02:26.74] [03:35.91]把故事听到最后才说再见
[02:30.76] [01:17.52] [03:40.67]你送我的眼泪
[02:32.65] [01:19.38] [03:42.24]让它留在雨天
[01:21.64] [02:34.92] [03:44.56]哦 越过你划的线
[02:37.21] [01:23.97] [03:46.37]我定了勇气的终点
[01:29.01]
[01:47.39]
[02:43.11] [03:57.82] [03:49.71]你说我不该不该
[03:51.46] [02:45.83] [03:59.58]不该在这时候说了我爱你
[02:52.41] [04:01.64] [03:53.45]要怎么证明我没有说谎力气
[02:59.45] 请告诉我暂停算不算放弃
[03:08.67] [04:03.98]我只有一天的回忆
[03:14.85]
[03:49.01]
[03:55.78]可是我只有一天的回忆
[03:57.12]
[04:06.81]~~End~~
*/

import string.lrc;
var lyric = string.lrc( winform.edit.text )
winform.edit.text = lyric.stringify();//重新格式化lrc歌词

import web.form;
var wb = web.form( winform.lbBrowser );
var html = `<!doctype html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
<style>
li{ list-style-type:square; font-size:10.5pt;color:#000000 }
li.lrcCur {
    color:#00CCFF
}
</style></head>
<body><ul>`

for( line,ms in lyric.each() ){
    html = html + "<li>" + line + "</li>"
}

wb.html = html + `</ul>
<script type="text/javascript">
var lrcList=document.getElementsByTagName('li');
var lrcCur;
window.lrcNext = function(idx){
    if( lrcCur ) lrcCur.className = '';
    lrcCur = lrcList[idx];
    lrcCur.className = 'lrcCur';
    window.scrollTo(0,lrcCur.offsetTop-100);
}
</script>`;

//创建播放器控件
//https://learn.microsoft.com/en-us/windows/win32/wmp/object-model-reference-for-scripting
var wmp = winform.lbWmplayer.createEmbedEx( "WMPlayer.OCX" );

wmp.uiMode = "none";
//wmp.settings.autoStart = false;
wmp.url = "http://download.aardio.com/v10.files/demo/mp3/lrc.mp3";

wmp.MediaChange = function(item){
    winform.progress.setProgressRange(0,wmp.currentMedia.duration);
    winform.progress.hide = false;
}

wmp.PlayStateChange = function(state) {
    if(state==3){
        winform.btnPause.disabled = false;
        winform.btnPlay.checked = true;
    }
}
```

```

        elseif(state<=1){
            winform.btnPause.disabled = true;
            winform.btnPause.checked = false;
            winform.btnPlay.checked = false;
            wb.script.lrcNext(0);
        }
    };

    //创建定时器用于同步歌词
    winform.setInterval(
        function(){
            var ms = wmp.controls.currentPosition * 1000;

            if(ms){
                var i,j,delay = lyric.find(ms)
                if(i) {
                    try{ wb.script.lrcNext(i-1); }
                    return delay;//修改定时器的延时为当前歌词显示时长
                }
            },100
    );

    //显示进度
    winform.setInterval(
        function(){
            if(winform.btnPlay.checked){
                winform.progress.progressPos = wmp.controls.currentPosition;
            }
        },200
    );

    winform.onClose = function(hwnd,message,wParam,lParam){
        wb.write("");
    }

    winform.btnPlay.oncommand = function(id,event){

        if(!winform.btnPlay.checked){
            if(wmp.playState>1){
                wmp.Controls.stop();
                winform.progress.progressPos = 0;
            }
            return;
        }

        wmp.Controls.play();
    }

    winform.btnPause.oncommand = function(id,event){
        if(wmp.playState==3){
            wmp.Controls.pause();
        }
        elseif(wmp.playState==2){
            wmp.Controls.play();
        }
    }

    winform.volume.setTrackbarRange(1,100);
    winform.volume.progressPos = 100;
    winform.volume.onPosChanged = function( pos,triggeredByUser ){
        if(triggeredByUser){
            wmp.settings.volume = winform.volume.progressPos;
        }
    }

    winform.volume.skin({
        background={
            default=0xFF23ABD9
        };
        foreground={
            default=0xFFFFF771C;
            hover=0xFFFFF6600
        };
        color={
            default=0xFFFFF5C00;
            hover=0xFFFFF6600
        }
    })

    winform.btnPause.skin({
        background={
            default=0x668FB2B0;
            disabled=0xFFCCCCC;
            hover=0xFF928BB3
        };
        color={
            default=0xFF000000;
            disabled=0xFF6D6D6D
        };
        checked = {
            iconText = '\uF04B';
            text = "继续";
            background={
                default=0x668FB2B0;
                disabled=0xFFCCCCC;
                hover=0xFF928BB3
            };
            color={
                default=0xFF000000;
                disabled=0xFF6D6D6D
            };
        }
    })

    winform.btnPlay.skin({
        background={
            default=0x668FB2B0;
            disabled=0xFFCCCCC;
            hover=0xFF928BB3
        };
        color={
            default=0xFF000000;
            disabled=0xFF6D6D6D
        };
        checked = {
            iconText = '\uF04D';
            text = "停止";
            background={
                default=0x668FB2B0;
                disabled=0xFFCCCCC;
                hover=0xFF928BB3
            };
            color={
                default=0xFF000000;
                disabled=0xFF6D6D6D
            };
        }
    })

```

```
winform.show();  
win.loopMessage();
```

[Markdown 格式](#)