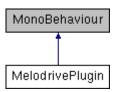
MelodrivePlugin Class Reference

Inheritance diagram for MelodrivePlugin:



Public Member Functions

| delegate void | DebugHandler (string message) |
|---------------|---|
| delegate void | NoteOnHandler (string part, int num, int velocity) |
| delegate void | NoteOffHandler (string part, int num) |
| delegate void | ParamChangeHandler (string part, string param, float value) |
| delegate void | BarHandler (float bar) |
| delegate void | BeatHandler (float beat, float bar) |
| delegate void | BeatTickHandler (int tick, float beat, float bar) |
| delegate void | TempoChangeHandler (float bpm) |
| delegate void | NewMusicalSeedHandler (string name) |
| delegate void | CueChangeHandler (string cue, string seedName, string style) |
| delegate void | ProjectLoadHandler () |
| void | SetInstrumentsPathToStreamingAssets () |
| void | SetInstrumentsPath (string path) |
| void | Init (string style=DEFAULT_STYLE, string initEmotion=DEFAULT_EMOTION) |
| void | SaveProject (string filename) |
| void | LoadProject (string filename) |
| string [] | GetStyles () |
| void | PreloadStyles () |
| void | SetStyle (string style) |
| string | GetStyle () |
| void | SetMusicalSeed (string seedName) |
| string | GetMusicalSeed () |
| void | CreateMusicalSeed (bool setActive=false) |
| void | SaveMusicalSeed (string seedName, string filename) |
| void | LoadMusicalSeed (string filename) |
| string [] | GetMusicalSeeds () |
| string [] | GetEnsembles () |
| string | GetCurrentEnsemble () |
| void | SetEnsemble (string value) |
| void | SetChiptuneMode (bool value) |
| | |

```
bool GetChiptuneMode ()
  string GetEmotionMode ()
   void SetEmotionMode (string mode)
   float GetEmotionalVelocity ()
   void SetEmotionalVelocity (float value)
  string GetEmotion ()
   void SetEmotion (string emotion)
Vector2 GetVA ()
   void SetVA (Vector2 value)
    int AddEmotionalPoint (float x, float y, [MarshalAs(UnmanagedType.LPStr)] string mood)
   void RemoveEmotionalPoint (int id)
   void SetEmotionalPointPosition (int id, float x, float y)
   void SetEmotionAtPoint (int id, [MarshalAs(UnmanagedType.LPStr)] string emotion)
   void ClearEmotionalPoints ()
   void SetListenerPosition (float x, float y)
   float GetEmotionalStrength ()
   void SetEmotionalStrength (float value)
   void SetTempoScale (float value)
   void Play ()
   void Pause ()
   void Stop ()
   void SetCue (string cueName)
   void SetStateOptions (string style, string musicalSeed, string ensemble)
   void SetMasterGain (float value)
   void SetLimiterEnabled (bool value)
 float [] GetRMS ()
```

Public Attributes

| const string | DEFAULT_STYLE = "piano" |
|--------------|-------------------------------|
| const string | DEFAULT_EMOTION = "neutral" |
| bool | playOnStart = false |
| string | initStyle = DEFAULT_STYLE |
| string | initEmotion = DEFAULT_EMOTION |
| bool | chiptuneMode = false |

Events

| DebugHandler | DebugLog |
|----------------|----------|
| NoteOnHandler | NoteOn |
| NoteOffHandler | NoteOff |

| ParamChangeHandler | ParamChange |
|-----------------------|----------------|
| BarHandler | Bar |
| BeatHandler | Beat |
| BeatTickHandler | BeatTick |
| TempoChangeHandler | TempoChange |
| NewMusicalSeedHandler | NewMusicalSeed |
| CueChangeHandler | CueChange |
| ProjectLoadHandler | ProjectLoad |
| | |

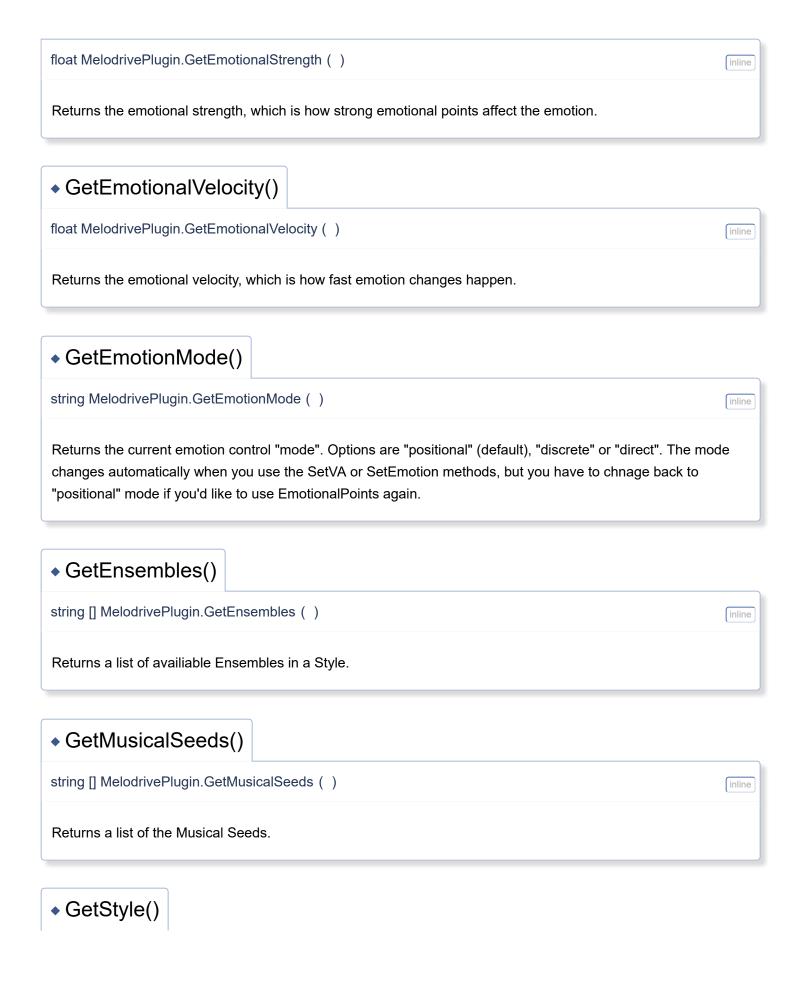
Detailed Description

This is the Melodrive controller class. Other Game objects in Unity should control this class, or listen to the events fired.

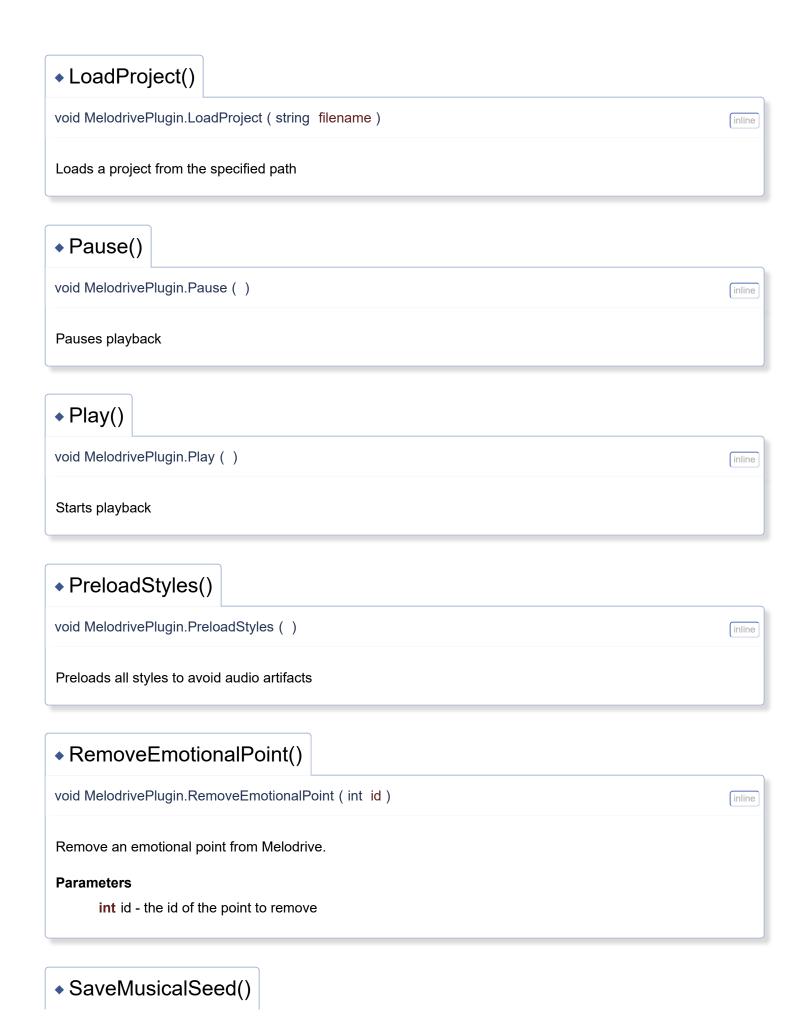
Member Function Documentation

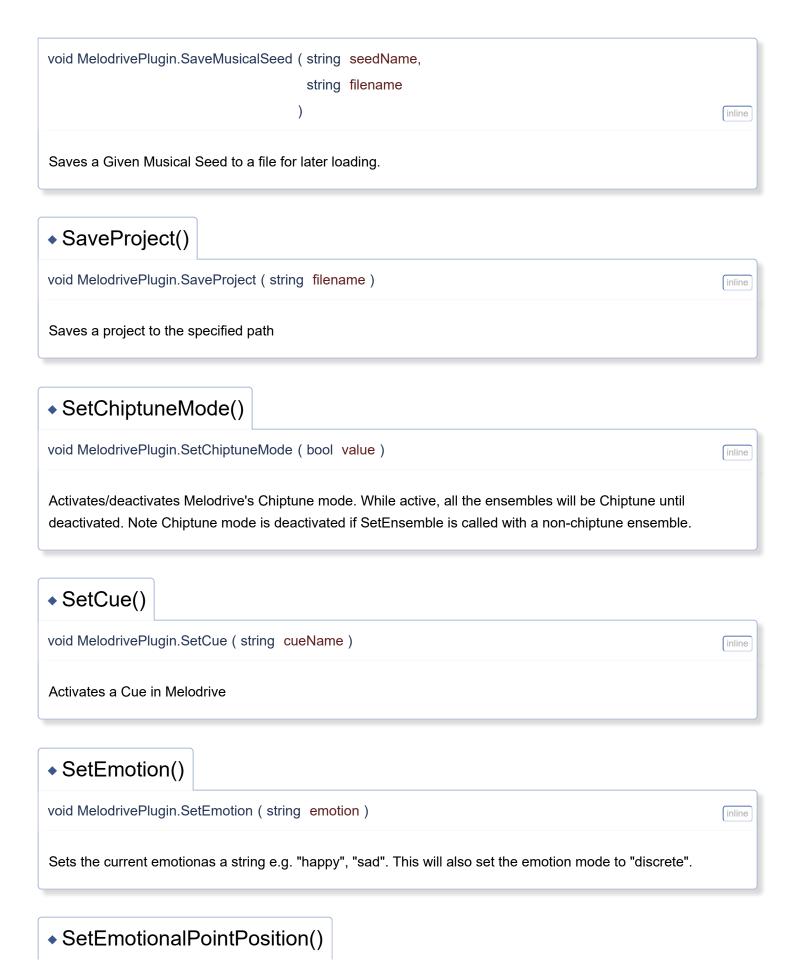
ClearEmotionalPoints()



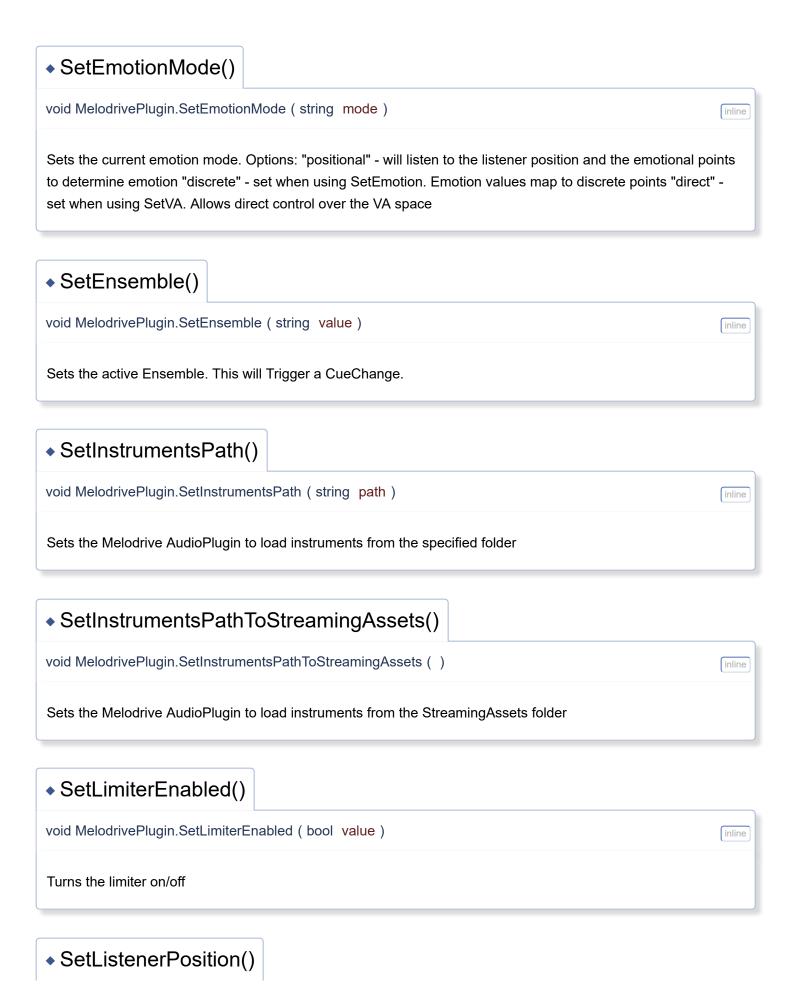








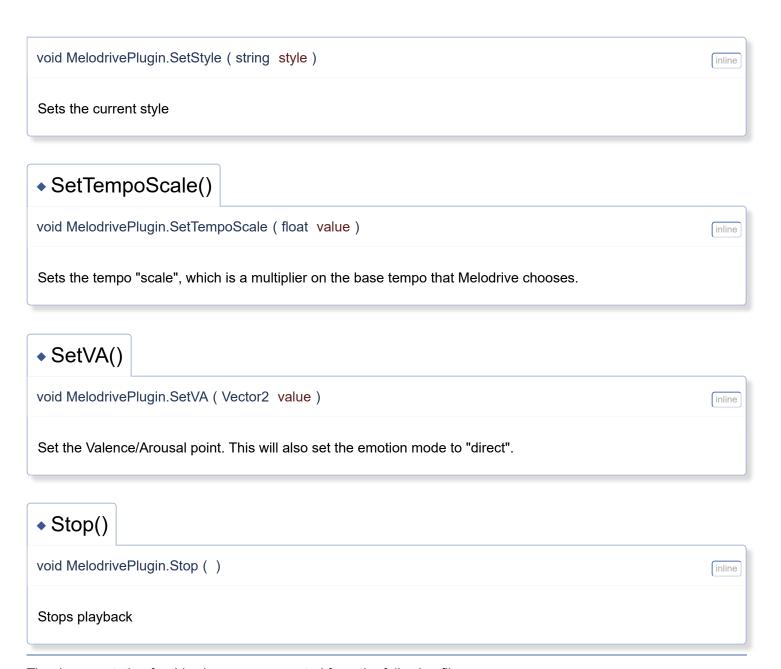
```
void MelodrivePlugin.SetEmotionalPointPosition (int
                                               float x,
                                               float y
                                                                                                      inline
Update an emotional point's position in game-space.4
Parameters
      int id - Melodrives ID for the point
      float x - the x co-ord
      float y - the y co-ord
SetEmotionalStrength()
void MelodrivePlugin.SetEmotionalStrength (float value)
Sets the emotional strength, which is how strong emotional points affect the emotion.
SetEmotionalVelocity()
void MelodrivePlugin.SetEmotionalVelocity (float value)
Sets the emotional velocity, which is how fast emotion changes happen.
SetEmotionAtPoint()
void MelodrivePlugin.SetEmotionAtPoint (int
                                                                                 id,
                                        [MarshalAs(UnmanagedType.LPStr)] string emotion
                                                                                                      inline
Updates an emotional points mood
Parameters
             id - Melodrive's ID for the point
      string mood - the new mood
```



```
void MelodrivePlugin.SetListenerPosition (float x,
                                        float y
                                                                                                     inline
Updates the position of the listener in world space.
Parameters
      float x
      float y
SetMasterGain()
void MelodrivePlugin.SetMasterGain (float value)
                                                                                                     inline
Sets the gain of the Master bus
SetMusicalSeed()
void MelodrivePlugin.SetMusicalSeed ( string seedName )
                                                                                                     inline
Sets the Musical Seed in Melodrive. This will trigger a CueChange event.
SetStateOptions()
void MelodrivePlugin.SetStateOptions ( string style,
                                     string musicalSeed,
                                     string ensemble
                                                                                                     inline
```

SetStyle()

Sets the playback state in Melodrive



The documentation for this class was generated from the following file:

• unity/MelodrivePackage/Assets/Melodrive/Scripts/MelodrivePlugin.cs