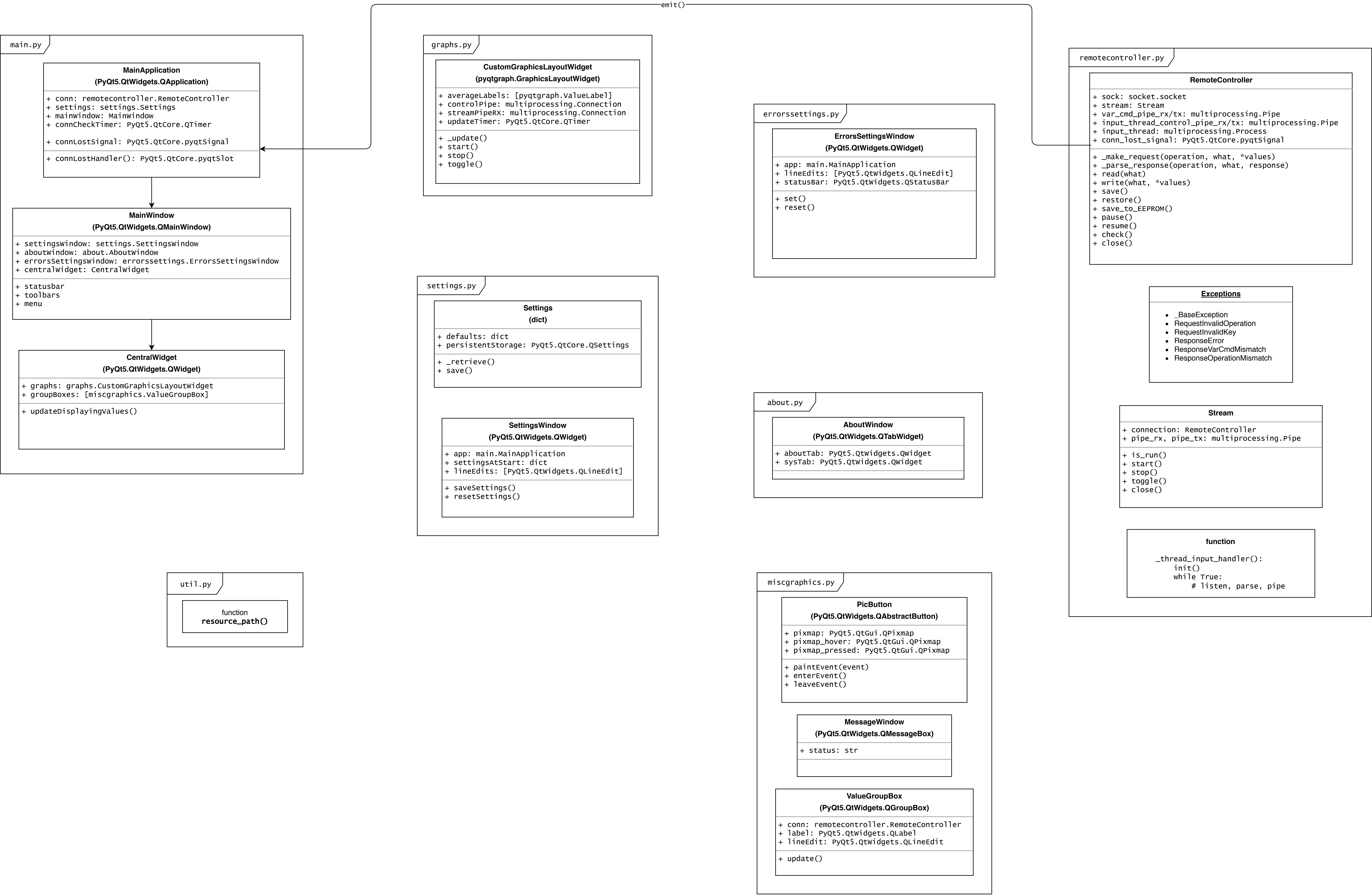

main.py

MainApplication
(PyQt5.QtWidgets.QApplication)

```
+ conn: remotecontroller.RemoteController
+ settings: settings.Settings
+ mainWindow: MainWindow
+ connCheckTimer: PyQt5.QtCore.QTimer

+ connLostSignal: PyQt5.QtCore.pyqtSignal
```

```
+ connLostHandler(): PyQt5.QtCore.pyqtSlot
```

MainWindow
(PyQt5.QtWidgets.QMainWindow)

```
+ settingsWindow: settings.SettingsWindow
+ aboutWindow: about.AboutWindow
+ errorsSettingsWindow: errorssettings.ErrorsSettingsWindow
+ centralWidget: CentralWidget
```

```
+ statusbar
+ toolbars
+ menu
```

CentralWidget
(PyQt5.QtWidgets.QWidget)

```
+ graphs: graphs.CustomGraphicsLayoutWidget
+ groupBoxes: [miscgraphics.ValueGroupBox]
```

```
+ updateDisplayingValues()
```

util.py

function
`resource_path()`

graphs.py

CustomGraphicsLayoutWidget
(pyqtgraph.GraphicsLayoutWidget)

```
+ averageLabels: [pyqtgraph.ValueLabel]
+ controlPipe: multiprocessing.Connection
+ streamPipeRX: multiprocessing.Connection
+ updateTimer: PyQt5.QtCore.QTimer
```

```
+ _update()
+ start()
+ stop()
+ toggle()
```

settings.py

Settings
(dict)

```
+ defaults: dict
+ persistentStorage: PyQt5.QtCore.QSettings
```

```
+ _retrieve()
+ save()
```

SettingsWindow
(PyQt5.QtWidgets.QWidget)

```
+ app: main.MainApplication
+ settingsAtStart: dict
+ lineEdits: [PyQt5.QtWidgets.QLineEdit]
```

```
+ saveSettings()
+ resetSettings()
```

errorssettings.py

ErrorsSettingsWindow
(PyQt5.QtWidgets.QWidget)

```
+ app: main.MainApplication
+ lineEdits: [PyQt5.QtWidgets.QLineEdit]
+ statusBar: PyQt5.QtWidgets.QStatusBar
```

```
+ set()
+ reset()
```

about.py

AboutWindow
(PyQt5.QtWidgets.QTabWidget)

```
+ aboutTab: PyQt5.QtWidgets.QWidget
+ sysTab: PyQt5.QtWidgets.QWidget
```

miscgraphics.py

PicButton
(PyQt5.QtWidgets.QAbstractButton)

```
+ pixmap: PyQt5.QtGui.QPixmap
+ pixmap_hover: PyQt5.QtGui.QPixmap
+ pixmap_pressed: PyQt5.QtGui.QPixmap
```

```
+ paintEvent(event)
+ enterEvent()
+ leaveEvent()
```

MessageWindow
(PyQt5.QtWidgets.QMessageBox)

```
+ status: str
```

ValueGroupBox
(PyQt5.QtWidgets.QGroupBox)

```
+ conn: remotecontroller.RemoteController
+ label: PyQt5.QtWidgets.QLabel
+ lineEdit: PyQt5.QtWidgets.QLineEdit
```

```
+ update()
```

remotecontroller.py

RemoteController

```
+ sock: socket.socket
+ stream: Stream
+ var_cmd_pipe_rx/tx: multiprocessing.Pipe
+ input_thread_control_pipe_rx/tx: multiprocessing.Pipe
+ input_thread: multiprocessing.Process
+ conn_lost_signal: PyQt5.QtCore.pyqtSignal
```

```
+ _make_request(operation, what, *values)
+ _parse_response(operation, what, response)
+ read(what)
+ write(what, *values)
+ save()
+ restore()
+ save_to_EEPROM()
+ pause()
+ resume()
+ check()
+ close()
```

Exceptions

- _BaseException
- RequestInvalidOperation
- RequestInvalidKey
- ResponseError
- ResponseVarCmdMismatch
- ResponseOperationMismatch

Stream

```
+ connection: RemoteController
+ pipe_rx, pipe_tx: multiprocessing.Pipe
```

```
+ is_run()
+ start()
+ stop()
+ toggle()
+ close()
```

function

```
_thread_input_handler():
    init()
    while True:
        # listen, parse, pipe
```