



## Upgrade Guide

CommerceDriver™ for *Windows*®  
Version 2.33 to 2.34

# CommerceDriver™ Upgrade Guide

EVO Snap\* has released the v2.34 version of CommerceDriver™. This guide is designed to assist partners in the migration process from integrations using v2.33 to v2.34 of CommerceDriver™.

## Enhancements & New Features

### Manual Keyed Entry

Manual Keyed Entry is the process of running what would typically be a card present transaction without a payment terminal by manually entering the card information in order to process a transaction.

To support the new Manual Keyed Entry feature the following has been added to Commerce Driver.

#### Added KeyedEntry Property

```
public class CardTransactionOperationRequest: TransactionRequest, IPOSLevel2LineItemDetail
{
    /// <summary>
    /// Gets or sets a boolean that indicates if the upcoming transaction will use keyed entry instead of a terminal transaction.
    /// </summary>
    public bool KeyedEntry { get; set; }
}
```

#### Added ManualCardEntry Event

```
//Example Code
Controller = new CommerceDriverController(serviceKey,applicationProfileID);
Controller.ManualCardEntry += Controller_ManualKeyedEntry;
```

#### Added ManualCardEntryEventArgs Object

```
public class ManualCardEntryEventArgs: EventArgs
{
    public ManualCardEntryEventArgs()
    {
        Pan = null;
        ExpirationDate = null;
        CvvCode = null;
    }

    /// <summary>Sets a string for a card's Primary Account Number. Must be between 13 to 22 characters.</summary>
    public string Pan { internal get; set; }

    /// <summary>Sets string for a card's expiration date. Must be in MMY format.</summary>
    public string ExpirationDate { internal get; set; }

    /// <summary>Sets string for a card's validation digits. Must be 3 or 4 digits.</summary>
    public string CvvCode { internal get; set; }
}
```

## RequiresTerminal Method Changed

The boolean parameter `keyedEntryOrTokenizedPayment` was added to the `RequiresTerminal` method and will default to `false` if not assigned.

### Added Parameter `keyedEntryOrTokenizedPayment`

```
public bool RequiresTerminal(OperationType operation, bool keyedEntryOrTokenizedPayment = false)
```

## Request Information Unavailable in Release Builds

In the `RestResponse` object that is provided in the `Completed` and `ServiceInvoked` events, the `FormattedRequest` and `RawRequest` properties will no longer be available in release builds of CommerceDriver in order to protect secure card data. The properties will still be available in debug builds of CommerceDriver.

# CommerceDriver Codebase Clean Up

## Removed Obsolete Methods

The following methods that were previously marked as `Obsolete` have been removed in order to have a cleaner CommerceDriver codebase. The following calls are recommended to be used instead.

### Battery Status

Version	Code Change
2.33	<code>public Task ProcessAsync(BatteryStatusOperationRequest request)</code>
2.34	<code>public void CheckTerminalBatteryLevel()</code>

### Cancel Transaction

Version	Code Change
2.33	<code>public void CancelTransaction()</code>
2.34	<code>public void CancelTerminalTransaction()</code>

## Initialize Terminal

Version	Code Change
2.33	<code>public async Task&lt;bool&gt; InitializeTerminal()</code>
2.34	<code>public async Task&lt;InitializeTerminalResult&gt; InitializeSelectedTerminal()</code>

## Set Terminal

Version	Code Change
2.33	<code>public void SetTerminal(string manufacturerName, string terminalName, string terminalConfigName)</code>

The SetTerminal call has been replaced with two separate calls AddTerminal and InitializeSelectedTerminal. The following is example code to illustrate one way this can be accomplished.

```
private async Task AddAndInitializeTerminal(string serviceKey, string appProfileId)
{
    CommerceDriverController controller = new CommerceDriverController(serviceKey, appProfileId);

    //This can also be done with a supported Ingenico terminal
    ITerminalController terminalController = BbposTerminalControllerFactory.CreateChipperBtController(new
        TerminalConnection(ConnectionTypes.UsbSerial, ComPort.COM1));

    controller.AddTerminal(terminalController);
    await controller.InitializeSelectedTerminal();
}
```

## Removed Obsolete Properties

The following properties are no longer being used and have therefore been removed.

<code>public ITransactionHandler TransactionHandler { get; set; }</code>
<code>public string TerminalSummary { get; }</code>
<code>public TerminalDefinition Terminal { get; set; }</code>
<code>public TerminalSettings TerminalSettings { get; }</code>
<code>public List&lt;ManufacturerInfo&gt; Manufacturers { get; }</code>
<code>public List&lt;ManufacturerDefinition&gt; ManufacturerDefinitions { get; }</code>

```
public ManufacturerDefinition Manufacturer { get; set; }
```

```
public List<Assembly> RegisteredAssemblies { get; }
```