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1.Property

1.1 mode

- Code

```objc
@property (assign, nonatomic) PTDispatchMode
  mode;
```

- Specification

  Connection method

1.2 printerConnected

- Code

```objc
@property (strong, nonatomic, readwrite) PTPrinter
  * _Nullable printerConnected;
```

- Specification

  Printer object after connection

1.3 sendSuccessBlock

- Code

```
@property (copy, nonatomic, readwrite) PTSendSuccessParameterBlock
  _Nullable sendSuccessBlock;
```

- Specification

  Send success callback property

1.4 sendFailureBlock

- Code

```
@property (copy, nonatomic, readwrite) PTEmptyParameterBlock
  _Nullable sendFailureBlock;
```

- Specification

  Send fail callback property

1.5 sendProgressBlock

- Code

```
@property (copy, nonatomic, readwrite) PTNumberParameterBlock
  _Nullable sendProgressBlock;
```

- Specification

  Send progress callback property

1.6 receiveDataBlock

- Code

```objc
@property (copy, nonatomic, readwrite) PTDataParameterBlock
  _Nullable receiveDataBlock;
```

- Specification

  Receiving device callback properties

1.7 printStateBlock

- Code

```objc
@property (copy, nonatomic, readwrite) PTPrintStateBlock
  _Nullable printStateBlock;
```

- Specification

  Prints the status callback property

1.8 autoStatusBlock

- Code

```objc
@property (copy, nonatomic, readwrite) PTESCPrinterAutoStatusBlock
  _Nullable autoStatusBlock;
```

- Specification

  ESC abnormal callback attribute

1.9 printResultBlock

- Code

```objc
@property (copy, nonatomic, readwrite) PTESCPrintResultBlock
  _Nullable printResultBlock;
```

- Specification

1.10 findAllPeripheralBlock

- Code

```
@property (copy, nonatomic, readwrite) PTPrinterMutableArrayBlock
  _Nullable findAllPeripheralBlock;
```

- Specification

  Found all peripheral callback properties

1.11 connectSuccessBlock

- Code

```
@property (copy, nonatomic, readwrite) PTEmptyParameterBlock
  _Nullable connectSuccessBlock;
```

- Specification

  Connection success callback property

1.12 connectFailBlock

- Code

```
@property (copy, nonatomic, readwrite) PTBluetoothConnectFailBlock
  _Nullable connectFailBlock;
```

- Specification

  Connection failure callback property

1.13 unconnectBlock

- Code

```
@property (copy, nonatomic, readwrite) PTUnconnectBlock
    _Nullable unconnectBlock;
```

- Specification

  Disconnect callback property

1.14 readRSSIBlock

- Code

```
@property (copy, nonatomic, readwrite) PTNumberParameterBlock
    _Nullable readRSSIBlock;
```

- Specification

  Read the signal strength callback property

1.15 peripheralFilterBlock

- Code

```
@property (copy, nonatomic, readwrite) PTPeripheralFilterBlock
    _Nullable peripheralFilterBlock;
```

- Specification

  Peripheral filter callback property

1.16 upgradeFirmwareStateBlock

- Code

```objectivec
@property (copy, nonatomic, readwrite) PTUpgradeFirmwareStateBlock
 _Nullable upgradeFirmwareStateBlock;
```

- Specification

  | Firmware upgrade callback attribute

2.Method

2.1 Create a singleton object

- Description

  | Create a singleton object

- Code

```objectivec
+ (instancetype _Nullable)share;
```

2.2 Send data

- Description

  | send data

- Paramater

Paramater	Description
data	data

- Code

```objectivec
- (void)sendData:(NSData * _Nullable)data;
```

2.3 Firmware update

- Description

  firmware update

- Paramater

Paramater	Description
data	data
block	progress block
failBlock	fail block

- Code

```objc
- (void)writeFirmwareData:(NSData * _Nullable)data progress:
(void(^_Nullable)(NSProgress * _Nullable))block fail:
(void(^_Nullable)(void))failBlock;
```

2.4 Turn on Bluetooth scanning

- Description

  Turn on Bluetooth scanning

- Code

```objc
- (void)scanBluetooth;
```

2.5 Stop Bluetooth scanning

- Description

  Stop Bluetooth scanning

- Code

```objc
- (void)stopScanBluetooth;
```

2.6 LAN scanning device

- Description

  LAN scanning device

- Code

```
- (void)scanDeviceAtLAN:(NSTimeInterval)timeout;
```

2.7 Send broadcast messages

- Description

  Send broadcast messages to solve the problem that the system of iOS14+ cannot receive broadcasts

- Code

```
- (void)sendBroadcastMessages;
```

2.8 Stop searching

- Description

  Stop searching for devices in the local area network

- Code

```
- (void)stopScanAtLAN;
```

2.9 Get all discovered printers

- Description

  Get all discovered printers

- Paramater

Paramater	Description
bluetoothBlock	callback

- Code

```
- (void)whenFindAllBluetooth:(PTPrinterMutableArrayBlock
_Nullable)bluetoothBlock;
```

2.11 Get Bluetooth RSSI

- Description

  Get Bluetooth RSSI

- Paramater

Paramater	Description
readRSSIBlock	callback

- Code

```
- (void)whenReadRSSI:(PTNumberParameterBlock
_Nullable)readRSSIBlock;
```

2.12 Connect the printer

- Description

  Connect the printer

- Paramater

Paramater	Description
data	Printer object

- Code

```
- (void)connectPrinter:(PTPrinter * _Nullable)printer;
```

2.13 Disconnect the printer

- Description

  Disconnect the printer

- Code

```
- (void)disconnect;
```

2.14 Successful connection callback

- Description

  Successful connection callback

- Paramater

Paramater	Description
connectSuccessBlock	callback

- Code

```
- (void)whenConnectSuccess:(PTEmptyParameterBlock
_Nullable)connectSuccessBlock;
```

2.15 Connection failure callback

- Description

  Connection failure callback

- Paramater

Paramater	Description
connectFailBlock	callback

- Code

```
- (void)whenConnectFailureWithErrorBlock:
(PTBluetoothConnectFailBlock _Nullable)connectFailBlock;
```

2.16 Disconnect callback

- Description

  Disconnect callback, after calling disconnect to disconnect the printer, this method will be called

- Paramater

Paramater	Description
unconnectBlock	callback

- Code

```
- (void)whenUnconnect:(PTUnconnectBlock _Nullable)unconnectBlock;
```

2.17 Data sent successfully callback

- Description

  Data sent successfully callback

- Paramater

Paramater	Description
sendSuccessBlock	callback

- Code

```
- (void)whenSendSuccess:(PTSendSuccessParameterBlock
_Nullable)sendSuccessBlock;
```

2.18 Data sent failure callback

- Description

  Data sent failure callback

- Paramater

Paramater	Description
sendFailureBlock	callback

- Code

```
- (void)whenSendFailure:(PTEmptyParameterBlock
_Nullable)sendFailureBlock;
```

2.19 Data sending progress callback

- Description

  Data sending progress callback

- Paramater

Paramater	Description
sendProgressBlock	callback

- Code

```
- (void)whenSendProgressUpdate:(PTNumberParameterBlock
_Nullable)sendProgressBlock;
```

2.20 The callback of the data returned by the receiving device

- Description

  The callback of the data returned by the receiving device

- Paramater

Paramater	Description
receiveDataBlock	callback

- Code

```
- (void)whenReceiveData:(PTDataParameterBlock
_Nullable)receiveDataBlock;
```

2.21 the printer print status callback

- Description

  Receive the printer print status callback, before using this method, you need to ensure that the printer is turned on the status callback switch, such as the cpclTurnOnPrintStatusCallBack method in the CPCL command set, and the turnOnPrintStatusCallBack method in the ESC

- Paramater

Paramater	Description
printStateBlock	callback

- Code

```
- (void)whenUpdatePrintState:(PTPrintStateBlock
_Nullable)printStateBlock;
```

2.22 Peripheral filtering

- Description

  Peripheral filtering

- Paramater

Paramater	Description
block	callback

- Code

```objectivec
- (void)setupPeripheralFilter:(PTPeripheralFilterBlock
_Nullable)block;
```

2.23 Register with the Bluetooth center

- Description

  Register with the Bluetooth center, this interface is used to be compatible with the CoreBluetooth framework that you implement yourself

- Code

```objectivec
- (void)registerCentralManager:(CBCentralManager * _Nullable)manager
delegate:(id<CBCentralManagerDelegate> _Nullable)delegate;
```

2.24 Log off agent

- Description

  Log off agent

- Code

```objectivec
- (void)unregisterDelegate;
```

2.25 Callback of firmware upgrade

- Description

  Callback of firmware upgrade, This callback is not required if the firmware is upgraded using the writeFirmwareData interface

- Paramater

Paramater	Description
upgradeFirmwareStateBlock	callback

- Code

```
- (void)whenUpgradeFirmwareStateBlock:(PTUpgradeFirmwareStateBlock
_Nullable)upgradeFirmwareStateBlock;
```

2.26 ESC abnormal status callback

- Description

  ESC abnormal status callback

- Paramater

Paramater	Description
autoStateBlock	callback

- Code

```
- (void)whenESCAutomaticState:(PTESCPrinterAutoStatusBlock
_Nullable)autoStateBlock;
```

2.27 ESC print success callback

- Description

  ESC print success callback

- Parameter

Paramater	Description
resultBlock	callback

- Code

```
- (void)whenESCPrintSuccess:(PTESCPrintResultBlock
_Nullable)resultBlock;
```