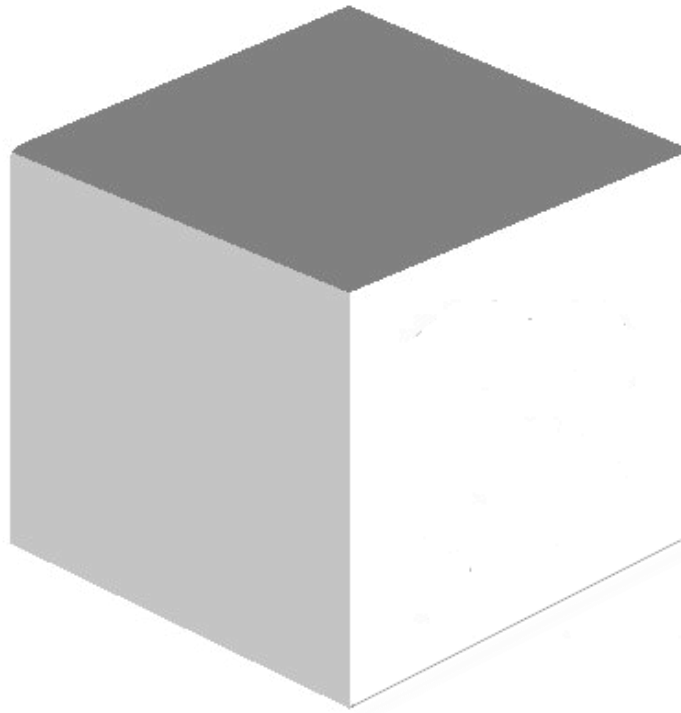


ShipExec Thermal Printing Quick Start Guide



August 31, 2020

Version 2.1

Client-Side

1. Ensure all printers are named the same according to the Windows driver.
2. Reset all printers to their factory defaults. To reset:
 - a. Hold down the feed button until it blinks 4 times.
 - b. Once it's done, hold it until it blinks twice.
3. Deploy the Client Hardware Support Service to all the end-user machines. To deploy:
 - a. <TBD>

Server-Side

1. Create a new printer in **Printing > Printer Definitions**.
 - a. Name the printer LP1.
 - b. Set the Model, Stock, and Direction accordingly.
 - c. Set the Action to **Raw**.
2. Edit the Default configuration (or create a new configuration) in **Printing > Printer Configurations**.
 - a. In the **Available Printers** list, find the LP1 entry with the "Raw" Printer Action.
 - b. Type the Windows Driver name in the **Port** name box.
 - c. Click the "+" icon on the left to move the printer to the **Selected Printers** list.
 - d. Click **Save**.

***Note:** If a new configuration was created, modify the company/site/machine/user profiles accordingly to use the new printer configuration.*

Client-Side Business Rule

1. Copy the following code into the active rule set:

```
// ucs-2 string to base64 encoded ascii
function utoa(str) {
    return window.btoa(unescape(encodeURIComponent(str)));
}

// base64 encoded ascii to ucs-2 string
function atou(str) {
    return decodeURIComponent(escape(window.atob(str)));
}

this.PrePrint = function(doc, localPort, viewModel){
    // WORKAROUND for bug where printer profile doesn't send
    optional settings
```

```
        // attach control string to set defaults to start of
document string
        if((doc.DocumentSymbol ==
'UPSAPI.UPS.PACKAGE_LABEL.STANDARD') && doc.RawData){
            var printerDefaults = "^XA^LH0,0^XSY,Y^MD30^XZ\n";
            var oldraw = atou(doc.RawData[0]);
            var newraw = printerDefaults + oldraw;
            doc.RawData[0] = utoa(newraw);
        }
    };
```

2. In each relevant profile, navigate to **Client Business Rules** and enable the **Pre-Print** rule.