

V 3.90
3/21/2019

Server Direct Printing

For printing from CPS Air and CPS Go, the Epson TM-T88II-VI and the Epson TM-U220-i are intelligent printers that can be programmed to point to the CPS API. This connection allows CPS Air and CPS Go to print to a printer from anywhere, be it on cellular or Wi-Fi.

Server Direct Print is the function for obtaining the print data from the API and printing to the TM-Intelligent printer and TM printers, which are connected to the TM-Intelligent printer through Wi-Fi or Ethernet. The printers ping the web server every so many seconds to check for print jobs.



Configure the printer on web browser

The printers come from the factory with 192.168.192.168 as the IP address. The printer needs to be programmed to the correct IP configuration before the settings can be changed. **IMPORTANT: Keep in mind the printer needs to have internet access to the TCP/IP, and DNS needs to be configured.**

Open a web browser and go to your printer IP address.

1) Epson U220-i: <http://printeripaddress/webconfig>

Username and password is “**epson**” by default.

- a. Navigate to Configuration/Server Access/Direct Print.
- b. Set the ID and Name. This will be the Printer Name, ex: Kitchen Hot, Kitchen Cold. (Be exact.)
- c. Enter the Server URL. This is the API URL for printing
ex: <https://cpsair.cps.golf/TESTAPI/api/printer/queue>
- d. Interval is defaulted to 5 seconds (recommended). This is how often the printer checks for new jobs.

2) Epson TM-T88VI: <http://printeripaddress>

Username and password is “**epson**” by default.

- a. Navigate to Services/Server Direct Print.
- b. Set the ID and Name. This will be the Printer Name, ex: Kitchen Hot, Kitchen Cold. (Be exact.)
- c. Enter the Server URL. This is the API URL for printing
ex: <https://cpsair.cps.golf/TESTAPI/api/printer/queue>
- d. Interval is defaulted to 5 seconds (recommended). This is how often the printer checks for new jobs

Note: One printer can point to 3 different API servers, but usually only one is needed.

The screenshot shows the 'EpsonNet Config for TM-I' web interface. The left sidebar contains a navigation menu with 'Server Direct Print' highlighted. The main content area shows the 'Server Direct Print' settings. The 'Server2' row is highlighted with a red box. The URL for 'Server2' is <https://cpsair.cps.golf/CPSAirIn380ISDP/api/printer/queue>. The 'Name' field is set to 'BAR2'. A red arrow points from the 'Server2' URL field to the 'Name' field. Red numbers '1' and '2' are placed near the 'Server Direct Print' menu item and the 'Name' field respectively.

https://cpsair.cps.golf/CPSAirIn380ISDP/api/printer/queue

Print Forwarding New in V3.90

On the TM-T88VI, print jobs can be forwarded to non-intelligent Epson printers that have access to the same local area network (LAN) as the intelligent printer. So a print job can be sent to a U200 in the kitchen from a TM-T88VI.

- 1) Navigate to Device Admin/Printer
- 2) From this screen, you can click the search button to allow the intelligent printer to scan the LAN for other Epson Ethernet printers.
- 3) Once found, enter a name (Ex: KitchenCold) and select Add.
- 4) Select Apply & Restart.

Now these printers will show up in POS Express v3 for setup and configuration

EpsonNet Config for TM-i Apply & Restart

Information

Basic

Networks

Device Admin

Printer

Customer Display

Key Input Device

Serial Device

Services

ePOS-Print

ePOS-Device

Print Forwarding

Server Direct Print

Status Notification

Device Data Notification

Print Data Parsing

Web Contents

Contents Path

Automatic Update

Manual Update

Miscellaneous Settings

Proxy

PHP Time

System

Reset

Help

Device Admin

Printer

Printer List

Del./New	Device ID	Model Name	IP Address	Test Print
	local_printer	TM-T88VI	127.0.0.1	[Test Print]
[New]	network_printer_0001	TM-T88VI ▼		[Test Print]

Network printers Search

Add	Device ID	Model Name	IP Address	Test Print
[Add]	network_printer_0001	TM-U220	192.168.5.27	[Test Print]
[Add]	network_printer_0001	TM-U220	192.168.4.197	[Test Print]

NAME THE PRINTER AND CLICK ADD

Remote Printer Setup in POSExpress v3.0

Club Prophet Systems Restaurant [proshop] - [Options]

File View Tools Help Go to

Option List

- Customer Student Status
- Customer Suffix Name
- Customer Title Name
- Customer Type
- Department
- Discount Button Setup
- Discount Reason
- Discount Tee Time
- FB Web Order ZipCode
- Gratuity
- Item Kits
- Location Code
- Lost Opportunity Reason
- Mobile Carrier
- Nationality Information
- Payout Description
- Picking Location Code
- PMS Itemizer
- Profit Center
- Sales Category
- Sales Category Group
- Sales Referrals
- Sales Types
- Season Code
- Store Group
- Store Information
- Tax
- Terminal Group
- Terminal Information
- Web Store Departments
- Report Options
- Sales Options
 - Driving Range
 - Payment Methods
 - Permit Form
 - Quick Sales Button Setup
 - Quotes
 - Rain Check
 - Release Form
 - Return Reason
 - Room Charge
 - Sale Delete Reason
 - Sales
 - Sales by Terminal
 - Smart Card
 - Unclose Reason
 - Void Printed Item Reason
- Security
 - TimeKeeper

Sales Category

ID: 72 Group Type: []

Description: BREAKFAST Department: [] Course: []

Department: [] Type: []

GL Code: 401001 Ranking: 99

COGS GL: [] Itemizer Description: []

Inventory GL: [] Statement Display Option: Category

Freight GL: []

Prepaid Back: 10.000%

Zip Code Tracking Force Tax over Tax Exempt Print Tip Line on Receipt Age Verification 18 Commission Force Full Receipt

General | Price Setting | Remote Printing | Store GL Setup

Terminal Name: Uthen's iPad Printer Name: [] Add

Set Remote BAR2

Start of Time: 12:00 AM End of Time: 12:00 AM

Printer Name	Terminal	Printer Level	Store
KDSnew	DESKTOP-N4ATHLJ	Main	Admin
Kitchen	DESKTOP-JRCGNV	Main	Restaurant
Kitchen	iPad	Main	Restaurant
Kitchen	QAEexternal	Main	Restaurant
Kitchen	CPSales1	Main	Restaurant
Dan	iPad	Main	Restaurant
EPSON TM-T88V Receipt5 (Copy 1)	KAE-PC	Main	Restaurant
EPSON TM-T88V Receipt5 (Copy 1)	mycostest	Main	Restaurant
EPSON TM-T88VI Receipt5	BENZ	Main	Restaurant
EPSON TM-T88VI Receipt5-AA	AOAAAE2	Main	Restaurant
EPSON TM-T88VI Receipt5-AA	CPS iPad	Main	Restaurant
BAR2	Uthen's iPad	Main	Restaurant
BAR2	icpsteam's iPad	Main	Restaurant

QSR Department: [] Remove

Cancel Save

Close

Go to Tools > Options > Reference Tables > Sales Category > Remote Printing. Select an iOS Terminal. The server direct printer name will show in the drop down. Simply add it like you would a LAN printer.

The screenshot displays the 'Terminal Information' configuration window for an iOS device. On the left, the 'Option List' is expanded to 'Reference Tables' > 'Terminal Information'. The main window is titled 'Terminal Setting | iOS Setting' and contains several sections:

- iOS Device Settings:** Includes a terminal status bar showing 'Approved'.
- Credit card:** Fields for 'Credit Server (URL)', 'User Name', and 'User Token'. A 'Credit Card Parent Terminal' dropdown is set to 'CPS AIR Receipt Email Template', with an 'Update Terminal List' button. A checkbox for 'Non-Integrated Credit Cards' is checked.
- Receipt:** 'Email Receipt' is set to 'CPS AIR Receipt Email Template' and 'Receipt Printer' is set to 'CPS AIR Receipt Email Template'. A 'Cash Drawer' checkbox is checked.
- Payment Methods Accepted:** A grid of checkboxes for various payment methods, including Member Account, Cash, Master Card, Visa, American Express, Gift Card, Debit Card, PAPER GIFT CARDS, Staff Charge, Staff Golf Ridge, On Line Member Payments, Misc Receivable, Offline - Visa, Offline - Mastercard, Offline - Amex, and Staff Payment. A 'Select all' checkbox is at the bottom right.
- Default Value:** Three input fields for 'Tips %' are all set to '0'.
- Discount Button Setup:** A section to 'Specify Discount value for each button' with a 'Discount to Cost' checkbox. It contains nine input fields for 'Discount Button 1' through '9', with values ranging from 5 to 100.
- Other Options:** Checkboxes for 'Show line items as included tax price?', 'Signature for Member Charge', 'Default to 'A Cash Account'', and 'Approval for Inventory Check In Required'.
- Check-In Settings:** Two input fields for 'Allow Check-In' are both set to '30' minutes before and after Tee-time.
- Welcome Screen Settings:** Includes 'Splash image' (birdsfootsplash.png) and 'Logo image' (logosplash.png) with corresponding image preview windows. A 'Footer text' field with a rich text editor toolbar is also present.

A red arrow points to the 'Receipt Printer' dropdown menu in the 'Receipt' section. At the bottom of the window, a note reads: 'NOTE: After updated informations on the option, Please re-connection app on your device again.'

Local Printer Setup in POSExpress v3.0

Go to Tools > Options > Reference Tables > Terminal Information > Select an iOS Terminal. Then, select the iOS Settings tab. Here you can set a Receipt Printer and check the Cash Drawer Checkbox. The server direct printer name will show in the drop down.