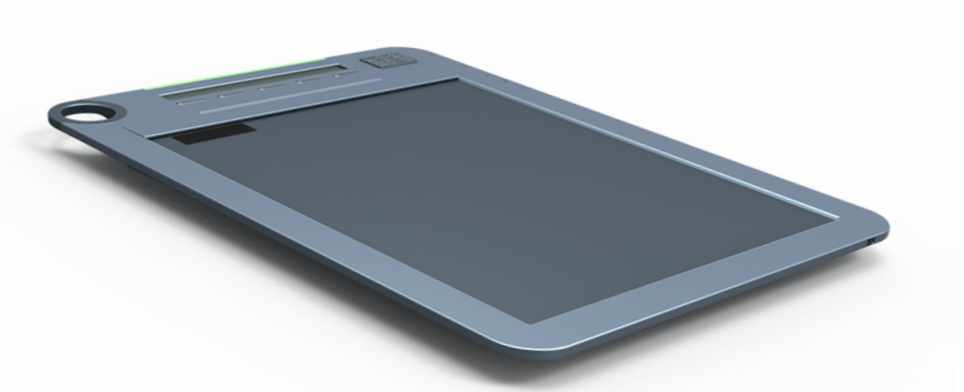# KARBONPAD
INSTALLATION GUIDE

Congratulations on your school's purchase of KarbonPads!

Getting the KarbonPads ready for use is easy.

Use this guide to install the KarbonPad software and to connect KarbonPads to your network.

You would have recently received a "Welcome to KarbonStream" email which contains your login credentials. Please use the default username and password during the installation.

If you have any questions, please visit us at www.karbonstream.com or to talk to our Customer Service Representative at 1-800-651-KPAD(5723) followed by '9'.

Minimum System Requirements

Operating Systems	Microsoft Windows Server 2003 Linux Ubuntu 11			
Components	**CPU Processor**	**Memory**	**Bandwidth**	**Disk Space**
	Intel Xeon Quad			
10 KarbonPads	1.7 GHz	4 GB	28 Kbps	500 GB
30 KarbonPads	2.0 GHz	4 GB	32 Kbps	750 GB
	Dual Quad Core			
90 KarbonPads	2.0 GHz	8 GB	50 Kbps	1 TB
Browser Software	Internet Explorer 8.0 Firefox 11 Adobe Flash 11			
Network	TCP port 80 (public-web server) 100 Mb/s Ethernet port(s) TCP port 5432 (private-database) WiFi TCP port 61616 (private-scoring)			
Printers	Must be connected to the organization's network			

Charge the KarbonPads

The KarbonPads must be charged for optimal battery performance.

Place 10 KarbonPads upright in each Charging Crate for a minimum of 8 hours or
Use the 5V AC-DC adapter to charge single units.

SAFETY GUIDELINES

* Do not attempt to service any parts yourself unless instructed to do so by the Customer Support Center.
* Use only the power cords and power adapters supplied by KarbonStream Corporation.
* Never wrap power cords around the power adapters.
* Always route power cords so they will not be walked on, tripped over or pinched by objects.
* When the AC adapters are connected to electrical outlets and KarbonPads are being charged, heat is generated. Do not place the adapters on any part of your body when in use.
* Keep liquids away from parts to avoid the danger of electrical shock.
* Do not apply strong forces to cables to avoid them being damaged.
* Do not drop, bump, hit, twist, vibrate, push or place heavy objects on any part.
* Ensure that any extension cords, surge protectors, UPS and power strips are rated to handle the electrical requirements of the adapters.
* Ensure that the power outlet provides the correct voltage for the adapter. Consult a licensed electrician if you have questions about power loads, power requirements and input ratings.
* Do not share an electrical outlet with other equipment that draws large amounts of electricity; otherwise, unstable voltage might be present.
* Do not attempt to disassemble the KarbonPad as it contains a rechargeable battery and any disposal has to be as required by local ordinances or regulations.
* Always operate the KarbonPads under normal temperature and humidity conditions.
* Always operate the KarbonPads in well-ventilated areas and ensure that the power adapter is not covered if inserted for charging.
* Each KarbonPad contains an LCD and rough handling or dropping it could cause it to break. If the LCD breaks, avoid contact with the internal liquid.
* Each KarbonPad contains a glass writing surface and rough handling or dropping it could cause it to break. If the writing surface breaks, please contact the Customer Contact Center.
* Each KarbonPad has a headphone connector and excessive sound pressure from earphones and headphones could cause hearing loss.
* Plastic bags used in packaging can be dangerous. Keep all bags away from babies and children to avoid danger of suffocation.

IMPORTANT NOTICE

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC/IC Radio Frequency Exposure
The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. This device have been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules.

IC RSS-210 (Canada)
Cet appareil radio est conforme au CNR-210 d'Industrie Canada.
L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre el fonctionnement du dispositif

Exposition aux radiofréquences FCC/IC
Selon les preuves scientifiques disponibles, aucun problème de santén'est associé à l'utilisation d'appareils sans fil de faible puissance. Rein ne prouve cependant que ces appareils sont absolument sans danger. Lorsqu'ils sont utilisés, les appareils sans fil de faible puissance émettent de faibles niveaux d'énergie radiofréquence (RF) dans la gamme des hyperfréquences. Bien que les niveaux élevés de radiofréquence puissant avoir un effet sur la santé (réchauffement des tissus), l'exposition à de faibles niveaux n'ayant pas d'effet thermique n'a aucun impact négatif connu sur la santé. De nombreuses études sur l'exposition aux radiofréquences de faible niveau n'ont révélé aucun effet biologique. Certaines d'entre elles ont sous-entendu qu'il pourrait y avoir de tesl effets, mais leurs résultats n'ont pas été confirmés par des recherché supplémentaires. Les modele suivants ont ete testes et se sont averes conformes aux limites d'exposition aux rayonnements définies par la FCC et IC pour l'environnement non controle ; ils repondent aux regles sur 'exposition aux rayonnements RF (radiofrequence) de la FCC et a celles de la norme RSS-102 d'IC.

1. Install KarbonPadSuite

Log in to "www.KarbonPad.com/myportal"

Download "KarbonSuite.exe". Double-click it to install

To access the portal, use your default name and password contained in the "Welcome to KarbonStream" email.

When the installation is complete, a KarbonPad shortcut will appear on your desktop.

2. Set up KarbonPads

Double-click KarbonPad shortcut to log in

Click the wrench icon to go to "Settings"

i. Add School

Go to "My School"

Click "E-mail Server" tab

Click "Access Points" tab

ns	My School	E-mail Server	KarbonPads	Access Points
NCES School Id:	3371658112		Check	
School Name:	K-12 Middle School			

s	My School	E-mail Server	KarbonPads	Access Points
Server Url:				
SMTP Server:	localhost			
Password:	***********			
Port:	25			
From:	schooladmin			

SSID	Authentification Type	Password
Nodalweb	WPAPSK_WPA2PSK	*********
KPFETC	WPAPSK_WPA2PSK	*********

Enter your school's unique NCES ID (National Center for Education Statistics). Click "Check" button to confirm.

Enter your SMTP server and credentials address. This allows users to receive e-mail notifications of work done on KarbonPads.

Enter the names, encryption types and passwords of all wireless access points in your school. This will connect KarbonPads to your school's WiFi network anywhere on campus.

ii. Add KarbonPads

Click "KarbonPads" tab

Remove a charged KarbonPad from the crate

Press the C button to start the Wireless Setup Wizard

Verify registration of KarbonPads

il Server	KarbonPads	Access F
Registration Date		
Fri Feb 24 16:23:09 GM		
Wed Feb 29 15:27:03 G		

KarbonPad
Wireless Setup Wizard
Start
A   B   C   D   E

http://myschool.k-12.com:8080/karbon

Id	MAC Address	Registration Date
1	00-0d-f0-9c-56-58	Fri Mar 16 13:27:20 G
2	00-0d-f0-9c-57-27	Wed Feb 29 15:32:08
3	00-0d-f0-9c-57-aa	Wed Feb 29 15:27:03
4	00-0d-f0-9c-5a-02	Fri Feb 24 16:23:09 G

Each KarbonPad must be registered and configured for WiFi access.

Execute the prompts on the LCD screen. When asked for "Server Address", enter the KarbonPad url located in the address bar of your browser. Repeat the Wireless Setup Wizard for every KarbonPad.
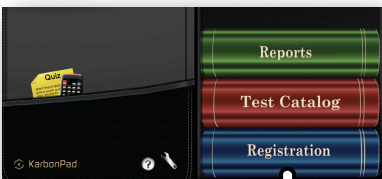
Click the Refresh button and verify that all KarbonPads are on the list.

iii. Add Users

Click "Registration"

Click "Edit Teachers"

Click "Add Student"

Reports
Test Catalog
Registration

ID	First Name	Mid.	Last Name	Email	Password
123456	Suzanne	L.	Morgan	suzanne.morgan@email.com	
123457	Robert	K.	Smith	robert.smith@email.com	
123458	Miriam	S.	Wolf	miriam.wolf@email.com	
123459	James	T.	Young	james.young@email.com	

Save   Add   Delete   Import/Export

Import/Export students list
Import students.
Add students via a CSV (Comma-separated value) file. Use the " Download sample " link to download a sample file that can be edited in any spreadsheet editor.

Download sample   Upload new version   Edit offline

Add teachers manually, or click "Import/Export" to import a CSV file.

Teachers require login credentials to access KarbonPad information online.

To access online, teachers require unique passwords to be assigned to them.
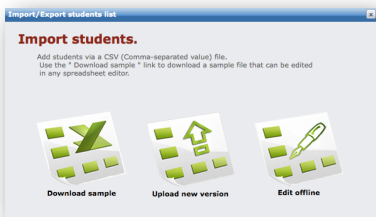
Add students manually or import a CSV file.

KarbonPad uses student IDs to identify work done by each student on the KarbonPads.