Operation Manual

(Program Installation)

Dante Amplifier Controller





Contents

Program installation	1
1. Installation for basic program	1
2. Program installation for control	6
S-CONNECT program setup	12
1. For general users	12
1.1 Initial screen	12
1.2 Control window	13
1.3 Set-up menu	19
1.4 Help window	26
2. For manager	27
2.1 Database management	
2.2 Database initialization, backup, restoration	31
Equipment CGI setup	33
1. DAC-288 Equipment Log-In	
2. Equipment Set Up, DEVICE TAB	34
3. Network Setting, NETWORK TAB	
4. Serial Configuration, SERIAL TAB	
5. Contact Setting, GPIO TAB	41
6. Restart, RESTART TAB	43
7. Language setting	44
8. Log out	44

Program Installation

1. Installation for basic program

(1) Run 'DAC-288_SETUP_ver1.0.0.0.exe'.

From the following screen click [Install] button. Note: If Visual C++ Runtime Libraries is already installed, there will be not a pop up screen. If so, proceed to step 2.

The following com	ponents will be installed	on your machine:	
Visual C++ 20	10 Runtime Libraries	(x86)	
Do you wish to	install these compor	nents?	
I you choose can	cer, setup will ext.		

(2) Setup Language screen. Click [Next] button.

	Select your language.	
4	English 🔹	

(3) Set up Screen. Click [Next] button.

թ DAC-288 1.	.1.6 Setup
	Welcome to the DAC-288 1.0.1.6 Setup Wizard
nter	The Setup Wizard will install DAC-288 1.0.1.6 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
	Back Next Cancel

(4) End-User Agreement Screen. Check [I accept] and click [next] button.

Software License Agreement This Agreement and the Inter-M is an agreement between the user's permissions If you do not agree to this agreement, users of this software, you can not install or use. 1. Permission to use The user to use this software legitimately you can download or copy. In addition, the backup or you can make a copy for I accept the terms in the License Agreement	d-User License Agreement Please read the following license agreement carefully	Inter
The user to use this software legitimately you can download or copy. In addition, the backup or you can make a copy for	Software License Agreement This Agreement and the Inter-M is an agreemer he user's permissions f you do not agree to this agreement, users of th you can not install or use.	nt between his software,
	I. Permission to use The user to use this software legitimately you ca or copy. In addition, the backup or you can make I accept the terms in the License Agreement	an download e a copy for +

(5) Setup Type Screen. Select [Typical] and click [Next] button.

Choose Setup Type Choose the setup type that	t best suits your needs	Inter	Μ
Typical Installs the most	common program features. Recom	nmended for most users.	
Custom Allows users to ch they will be install	noose which program features will ed. Recommended for advanced i	be installed and where users.	
Complete All program featu	res will be installed. Requires the r	most disk space.	
	Back	Next Can	cel

(6) Ready to Install. Click [Install] button.

Ready to install DAC-288 1.0.1.6	Inter
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.	
Back Install	Cancel

(7) Installing. Please wait until install is completed.

侵 DAC-28	8 1.0.1.6 Setup	
Instal	ing DAC-288 1.0.1.6	Inter
Please	vait while the Setup Wizard installs DAC-288 1.0. 1.6.	
Status:		
	Back Next	Cancel

(8) Completed. Click [Finish] button.

🔂 DAC-288 1.0.1.6 Set	tup
	Completed the DAC-288 1.0.1.6 Setup Wizard
	Click the Finish button to exit the Setup Wizard.
Ð	
	Back Finish Cancel

DAC-2	88 Library		
Software License A	greement		^
This Agreement and	d the Inter-M is an agreen	nent between the	
If you do not agree t you can not install o	o this agreement, users o r use.	of this software,	
p	1 I agree to the licen	nse terms and condition	ns

(9) DAC-288 Libraries Setup Screen. Check No.1 checkbox and click No.2 [Install].

(10) Processing. Please wait till installation is completed.



(11) Once installation is completed, click [Close] button and restart the system.



2. Program Installation for Control

DAC-288 can set up name for shared area mutually between each equipment of DAC-288. To do that, control program should be installed. It is okay to skip if the installation is not for control.

- 1) Once installation for DAC-299 program is completed, move to installation folder.
 - Move to data\server\firebird_2.5 folder of installation folder and run Firebird-2.5.2.26540_0_Win32.exe.
 - ref) Installation folder is C:\Program Files\Inter-M\DAC-288 for 32bit OS and C:\Program Files (x86)\Inter-M\DAC-288 for 64 bit OS.
- 2) Language Setup Screen. Select [English] and click [OK]

12	Select the language to use during the installation:
	English

Welcome to the Firebird Setup Wizard
 This will install Firebird 2.5.2.26540 (Win32) on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.

3) Installation Start Screen. Click [Next] button.

4) End-User-Agreement Screen. Check [I accept the agreement] and click [Next] button.

License Agreement		(
Please read the following important	nt information before continuing.	
Please read the following License agreement before continuing with	e Agreement. You must accept the terms of this the installation.	
INTERBASE PUBLIC LICENSE		~
Version 1.0 1. Definitions.		
1.0.1. "Commercial Use" means	distribution or otherwise making the Covered Code	
1.1. "Contributor" means each er	ntity that creates or contributes to the creation of	
Modifications. 1.2. "Contributor Version" means	the combination of the Original Code, prior	
Modifications used by a Contributor	tor, and the Modifications made by that particular	
1.3. "Covered Code" means the	Original Code or Modifications or the combination of	f 👻
1 O l accept the agreement		
I do not accept the agreement	t	
English	2	

7

5) Information Check Window. Click [Next] button.

Please read the following important information before continuing.	
When you are ready to continue with Setup, click Next.	
Firebird Database Server 2.5.2	<u>^</u>
This document is a guide to installing this package of Firebird 2.5 on the Windows platform. These notes refer to the installation package itself, rather than Firebird 2.5 in general. In addition, these notes are primarily aimed at users of the binary installer.	
It is assumed that readers of this document are already familiar with Firebird 2.1. If you are evaluating Firebird 2.5 as part of a migration from Fb 2.1 you are advised to review the Fb 2.5 documentation to	
understand the changes made between 2.1 and 2.5.	Ŧ

6) Window to Select Components. Click [Next] to keep this set up.

Select Components Which components should be installed?	6
Select the components you want to install; clear the compon install. Click Next when you are ready to continue.	ents you do not want to
Full installation of Server and development tools.	-
Server components	9.0 ME
- O Classic Server binary	3.7 ME
 Super Server binary 	3.8 ME
Developer and admin tools components	9.5 ME
Client components	0.8 ME
Current selection requires at least 24.4 MB of disk space.	

7) Screen to Select Start Menu Folder. Click [Next] to keep this set up.

Г

Select Start Menu Folder Where should Setup place the pro	ogram's shortcuts?	2
Setup will create the proc	gram's shortcuts in the following Sta	nt Menu folder.
To continue, click Next, Kumune	uld like to colort a different folder o	tiels Preuse
Firebird 2.5 (Min 32)	uid like to select a different folder, c	Returns
		blowse
Don't create a Start Menu folde	er	
C i gliori		

8) Window to Select Additional Tasks. Click [Next] to keep this set up.

Select Additional Tasks Which additional tasks should	be performed?
Select the additional tasks you click Next.	u would like Setup to perform while installing Firebird, th
Use the Guardian to contr	rol the server?
Run Firebird server as:	
Run as an Application?	
Run as a Service?	
✓ Start Firebird automatically	y everytime you boot up?
Install Control Panel App	let?"
Copy Firebird client library	to <system> directory?</system>
Generate client library as	GDS32.DLL for legacy app. support?

9) Setup Check Window. Click [Install] button.

Ready to Install Setup is now ready to begin i	installing Firebird on your computer.	۲
Click Install to continue with change any settings.	the installation, or click Back if you want to rev	iew or
Destination location: C:₩Program Files (x86)\ Setup type:	₩Firebird₩Firebird_2_5	
Full installation of Server	r and development tools.	
Server components Super Server binary Developer and admin to Client components	ols components	
Start Menu folder:		-
English		<u> </u>
English	< Back Install	Cancel

10) Version Explanation Window after installation is completed. Click [Next] button.

Information Please read the following important information before continu	uing. 🧵
When you are ready to continue with Setup, click Next.	
Firebird 2.5.2 (Windows Build)	E
o Introduction o Intended Users o Known Issues o Features in this release (all platforms	s)
o Installation o Reporting Bugs	-

11) Completed.

	Completing the Firebird Setup Wizard
5	Setup has finished installing Firebird on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup. Start Firebird Service now? After installation - What Next?
	< Back Finish

12) Click [Control setup] - [Management help] - [Service] to check if it is well-installed once installation is completed and confirm that installation must be completed properly once [Firebird guardian – Default Instance], [Firebird Server – Default Instance] got started.

🍇 Services				×
<u>A</u> ctie <u>B</u> eeld	← → 🗎 🖬 🖬 🚱 🚱 😫	·] ▶ :	■ ■>	
Structuur	Naam 🔺	Status	Opstarttype	
Services (lokaal)	COM+-gebeurtenissysteem	Gestart	Handmatig	
5 0 8	Computer Browser	Gestart	Automatisch	
	DHCP Client	Gestart	Automatisch	
	🖏 Distributed Link Tracking Client	Gestart	Automatisch	_
	🖏 Distributed Transaction Coordinator		Handmatig	
	🖏 DNS Client	Gestart	Automatisch	
	🖏 Event Log	Gestart	Automatisch	
	Rax-service		Handmatig	
	Firebird Guardian - DefaultInstance	Gestart	Automatisch	
	Rirebird Server - DefaultInstance	Gestart	Handmatig	
	indexing-service		Handmatig	
	🖏 Intelligente achtergrondsoverdra		Handmatig	-
	1		•	ſ
				_

S-CONNECT Program Setup

There is normal operation method for broadcast control of DAC-288 equipment inside S-CONNECT, and there is operation method for manager to set channel and account information among DAC-288 equipment. There can be lots of programs on the network of normal S-CONNECT program. There should be only one program on the network of S-CONNECT program for manager.

1. For General Users

1.1 Initial Screen



Once DAC-288 installation program is installed, there is an initial screen to be seen when running S-CONNECT.EXE program.

Menu screen has [Control], [Set up], [Help], [Expansion], [Reduction], [Korean], [English] buttons.

- (1) Enlargement Enlarge control window, setup window, groups on setup window
- (2) Reduction Reduce the size of control window, groups on setup window, area button.
 - → Enlargement and Reduction Button: The value doesn't change because the setup value is stored even when program restarts.
- (3) Korean, English Language setup is supposed to be changed if you click the button.
 - → Korean, English Button: The value doesn't change because the setup value is saved even when program restarts.

1.2 Control Window

It can control broadcasts of DAC-288 equipment. It is proceeded as the following order for broadcast control.

- (1) Select some of the registered sound sources
- (2) Select zones by groups or manually
- (3) Broadcast control

1) Select output source of registered sources

Korean Engli	
	Ē
	Subs. on Subs. off Check status Sel. all Desel. all
	Loopback panel

- Click registered sound source and select it. Registering sound source is possible on the setup menu. Only one sound source is selectable.
 - When unselecting registered sound source



- When selecting registered sound source



2) Zone Select



- (1) Click registered groups and select areas Group register is possible on setup menu It is possible to select more than one group.
 When unselecting a group



- When selecting a group



- (2) Click region directly and manually and select areas.
 - When unselecting a zone



- When selecting a zone



3) Broadcast Control



(1) Broadcast start: Broadcast registered sound source to the selected zone.

If already broadcasting, the existing broadcast will cut off and be replaced with registered sound source. The existing broadcast should be checked via [Equipment Status Check] at all times before starting broadcasting.

(2) Sign-off: Close broadcast of selected zone

Close all broadcasts of selected zones regardless of registered sound sources.

4) Equipment Status Check

CONTROL SETUR		∛●☆ Korean	English	7
Registered Source			ter	
Control	OTEDUC-35 OTEDUC		Subs. on Su Check stat Sel. all De Loopback p	ubs. off us esel. all

- Click equipment status check button and check all equipment that exist on network.

It is used to check which sound source is mainly being broadcasted in each equipment.

- When any broadcast is not running in the zone



- When a certain sound source is broadcasting in the zone (Sound source information will be indicated with blue color)



- When communication issue occurs in the zone Re-try [Equipment Status Check] after 10 seconds when communication issue occurs , take action by judging that the equipment has its issue if the situation reoccurs.



5) Broadcasting Status Check

There is a function to check broadcasting status of remote equipment from the local in DAC-288.

In the past, if maintenance was required, it was common to go to a long distance area to check broadcasting status of remote equipment.

But, DAC-288 has the way to check broadcasting status from the local after giving feedback regarding sound source from the remote area to the local. Diagram is as below.



There are advantages for maintenance.



- (1) Click [Broadcasting Status Check Button].
- (2) Displays broadcasting status check window.
- (3) Select remote zone to check broadcasting status.
- (4) Select local zones where to output the remote broadcast.
- (5) Check broadcasting status to turn the power on or off
 - When broadcasting status check is off



- When broadcasting status check is on



Note: Make sure to be off when broadcasting status check function is not used, then broadcast will not be jammed up.

1.3 Setup Menu



- (1) Sound source setting
- (2) Region / Group setting
- (3) other settings
- (4) Detailed settings

It is used if setting sound source, group, detailed region.

1) Sound Source Setting

	Koren English	
		ource
, nedicilina , nedicilina , społcilina , nedicilina , nedicilina , społci	And - operic dated - tracks dated Othe 3 Detail OFF	r setting

(1) Sound Source Register

When using mouse, choose one source and drag and drop to the [registered sound source]. When using in touch panel, double-click one of the sound sources and drag and drop to the [registered sound source].

(2) Sound Source Delete

When using mouse, choose one registered sound source and drag and drop to outside. When using in touch panel, double click one of the sound sources and drag and drop to outside.

(3) Sound Source Detailed Setting



- 3-2 Click sound source that needs the setting change once the detailed setting of sound source is changed from OFF to ON.
 - i. Equipment Name Setting(If you click 'CHECK', the equipment name will be modified.)
 - ii. Window Close
 - iii. Equipment status check

It can be set device's name.		
	67#0AC-04 01#0AC-04	2
STOP - RE-MATLET ESTORE-MATLET ESTORE-MALLET ESTORE-MALLET	07-000AC-WASTER	
	07/00AC-03	3 🄁
Dante name: DAC-01	ОК	Deta setting
ChannelNo: 01	07/#DAC-05	OFF OFF O
IP&Port: 192.168.1.34:4440		

2) Zone/ Group Setting Zone/Group Setting Window

CONTROL SETUP HELP ZOOM IN ZOOM OUT	Korean English	B
		Source Cone/Group Other setting
		Detail setting OFF ON
Add Remove Sel. all Desel. all		

(1) Group Setting

S-CONNECT V#10.17	
CONTROL SETUP HELP ZOOM IN ZOOM OUT Karean En	
	Source Zone/Group Other setting Detail setting OFF ON
1 Add 2 Remove 3 Sel. all 4 Desel. all	

i. Addition

Add a group. Select region on the right region of the window and click [ADD] button, then group will be added.

ii. Delete

Delete a group. Select a group and click [DELETE] button to delete it.

iii.The whole selection

Select all areas on the right side of the window.

- iv. The whole removal Remove to select all areas on the right side of the window.
- (2) Group Detailed Setting
 - 2-1 [DETAILED SETTING] should be ON for group detailed setting.

If clicking a group in 'ON' status of the detailed setting, group detailed setting is possible.



2-2 Group Detailed Setting Window

	It can be set group's name	2
	1 Group name: GROUP 01	
	Source: LOCAL	Detail setting
		OFF CO
Add		
Remove		

i. Group Name Setting (If you click 'CHECK', the related group name is changed.)

ii. Window Close

(3) Region Detailed Setting

3-1 [DETAILED SETTING] should be ON for region detailed setting.

If clicking a group in 'ON' status of detailed setting, region detailed setting is possible.



3-2 Zone Detailed Setting Window

lt_ca	n be set device's name, loopback.	7 ~
	01@DAC-01	
6	Dante name: DAC-01 OK	Detai setting
Loopback	ChannelNo: 01 office as expected at the second as a second as	OFF OFF ON
	Subscription:	
OFF ON CON	5 IP&Port: 192.168.1.34:4440	

- a. Actual channel number and equipment name (Channel number@ Equipment name type)
- b. Equipment name setup (If clicking, a sound source of the equipment is changed.)
- c. Actual channel number of equipment
- d. Displays broadcast information of current channel (Channel number@ Equipment name type)
- e. IP and Port number of equipment
- f. ON/OFF setting for checking Broadcasting Status.
- g. Window close
- h. Equipment status check

3) Other Settings Other settings window

CONTROL SETUP RELP ZOOM IN ZOOM OUT	Korean English	INTER
Setup Select the network interface(for primary interface) that the s-connect will use to communicate with other DAC-288 devices: MME: 100TEB00K P: 122:148.46.59 MME: 140Work 02 P: 122:161.16 MME: 140Work 02 MME: 140Work 02 MME: 140Work 02 MME: 140Work 02 MME: 140Work 02 MME: 140Work 02 MME: 125:252.552.552.552.552.552.552.552.552.5	2 DB Download from server Server IP 192168.1.8 DB Management Log View It is for a computer that the database is installed. Clicking of this button will initialize the data and database setting. DB Initialize DB Backup DB Restore	Source Zone/Group Conter setting Detail setting OFF ON

(1) Network card selection window

If a computer has lots of network cards, it is used t select a network card to use for DAC-288 control.

(2) Database setting and log window

It manages channel information as database between DAC-288 equipment.

a. Database Download Button from Server

Channel information is public information which exists in the server and is applied to the current program.

b. Server IP

Input Database Server IP

c. Database Control Button

(The menu is for manager. Check 2.2 "For Manager" part of manual as managing channel information.)

٦

d. Log Check Button Check program's log.

S-CONNECT Ver 1.0.1.7	
	4
2 Saved Log	
3 Current Log [09:47:29,942] check device info clicked [09:47:39,29] check device info clicked [09:47:30,267] check device info clicked	S Delete Period: @ Off @ Imonth © 9 month 0 12 month

- d-1. Back button Return to the previous screen
- d-2 Saved log Window to check log saved in the past.
- d-3 Current log Window to check current log. Displays yellow.
- d-5 Delete period select log file delete period. Choices are [Inactivated], [3months], [6months], [9months], [12months].
- e. When installing S-CONNECT for manager, database is installed in PC. This is the button to first initialize database only once after installing DB.

1.4 Help Window

It includes program operation manual, and it allows pages to be shifted by dragging using mouse or touch pad.



2. For Manager

There is channel information which is public between DAC-288 equipment. It can manage the public information by establishing DB.

The reason why channel information is used is to operate S-CONNECT program by replacing the name which can be easily understood.

For example, the situation as below is that channel NO.3 of equipment which named DAC-MASTER is broadcasting on the channel NO.1 of DAC-288 which named DAC-05.



Change this via channel name setting as below.

Dante Name	Channel No	Channel Type	Channél Name
1 DAC-05	1	RX	5th speaker
2 DAC-MASTER	3	тх	3th CD

DAC-288 27

Next, there is as below when running S-CONNECT program again. It is translated that CD No.3 is being broadcasted in speaker No.5 in the first class of the first grade.



2.1 DB management

S-CONNECT Ver 10.1.7	Korean English
Setup Select the network interface(for primary interface) that the s-connect will use to communicate with other DAC-288 (Interface) that the s-connect will use to devices: NAME: NOTEBOOK MAC: BIOS SAFES 78:68 SUBJECT: 555:255:0 NAME: USERIC SFS:50 NAME: USERIC SFS:50 NAME: USERIC SFS:50 NAME: USERIC SFS:50 SUBJECT: 555:255:0	DB Download from server Zone/Group Server IP 192.168.1.8 DB Management Log View It is for a computer that the database is installed, Clicking of this button will initialize the database setting. Detail setting DB Initialize DB Initialize DB Backup DB Restore

(1) Click setting button

(2) Click other settings button

(3) Click database button

1) Log In

r

Log in is needed to manage public database.

User ID: Admin

User Password: Admin

(1) Click access button and try to access the existing server which has database.

(2) Click cancel button and return to the previous screen.

Return	Device ChannelInfo	Refresh	Revert	Save Delete	Searched Chann	els	
Device Management					DanteName		
				r Log In-	B DAC-05		
			1	Server IP 192, 168, 1, 8	9 DAC-05		
				User ID Admin	DAC-05		
			2	Connect Concel	2		
			2	Connect			
					T3 DAC-05		

2) Equipment Channel Name Management Equipment Channel Name Management Screen

Beturn 2 - Chancella - Description - Description		Presented Charge	1	
Device Management		Searched Channe	ns Device Tures	Channellin
Account Management		7 DAC-05	RX	03
		8 DAC-05	TX	05
		9 DAC-05	RX	04
		10 DAC-05	TX	06
		11 DAC-05	RX	05
		12 DAC-05	тх	07
		13 DAC-05	RX	06
		14 DAC-05	тх	08
		15 DAC-05	RX	07
		16 DAC-05	RX	08
		17 DAC-MASTER	тх	01
		18 DAC-MASTER	тх	02
		19 DAC-MASTER	RX	01
		20 DAC-MASTER	тх	03
		21 DAC-MASTER	RX	02
		22 DAC-MASTER	тх	04
		23 DAC-MASTER	RX	03
		24 DAC-MASTER	тх	05
		25 DAC-MASTER	RX	04
		26 DAC-MASTER	тх	06
		27 DAC-MASTER	RX	05

- (1) Click equipment management button and open equipment channel name management screen.
- (2) Channel name information control button
 - a. Search button brings channel name information to the server again.
 - b. Back button restores equipment setting information which has edited so far
 - c. Save button saves equipment setting information which has edited so far.
 - d. Delete button delete selected channel name information.
- (3) Channel name control window

Set channel name of each channel after bringing channel information from searched channel No.4.



(4) Searched channel window

Displays lists of DAC-288 equipment which currently exists network. It is classified into channel, RX, TX, and set a channel name in channel name control window of No.3.

Account control screen. Registered account can manage equipment channel name.

	Return Device Management	Account	3	Refresh	Revert	Save	Delete			
1	ccount Management	1 Admin	Admistrator	Desc	ription					
								4		
								D :	Advete	
								Password :	*****	
								Password confirm	:	
								Account add Ac	count change Fi	eld clear

(1) Click account control button and open account control screen.

- (2) Account control button.
 - a. Search button brings channel name information to the server again.

- b. Return button restores equipment setting information which has edited so far
- c. Save button saves equipment setting information which has edited so far.
- d. Delete button delete selected channel name information.
- (3) Account control window

Displays account information list from server. New account register is possible via No.4

- (4) It is used to add an account.
 - a. Account addition button adds an account
 - b. Account change button changes the existing account.
 - c. Field delete button removes ID, password, password check datas.

Note: Only one "Admin" account is created, and it is unable to change ID.

2.2 Database Initialization, backup, restoration

S-CONNECT Ver 1.0.17	Korean English
Setto Setto	DB Download from server Ver IP 192 168 1.8 Management Log View Detail setting of Clicking of this button will initialize the nd database setting. DB Initialize DB Backup DB Restore 5

- (1) Click setting button.
- (2) Click the other setting button.
- (3) Data Initialization

Database is unavailable after first installing and should be initialized.

(4) Database backup

Backup the data which is currently being saved in database.

Backup storage is as below.

S-CONNECT \ data \ database \ backups \ YYYYMMDD_interm_sconnect.fdk

(5) Database restoration

Restore database which is backup already.

S-CONNECT $\$ data $\$ backups $\ YYYYMMDD_interm_sconnect.fdk select backup data and restore it.$

31 **DAC-288**

CONTI	🗿 🖉 🖉 « local disk (C:) 🔸 Program	n Files (x86) > Inter-M > DAC-288 > data >	database > backups ~ 47		
Regist	B INCAInternet UnInstall B INCAInternet UnInstall B InitCIS61 B Initech InstallShield Installation Informati	Name	Modified Type 2013-08-21 4:03 FDK 2013-08-28 9:47 FDK	Size SK8 SK8	ier V
Setup	 intel interezen inter-M DAC-288 codecs idata audio idatase 				Source Zone/Group Other setting
	backups b		Firebod	DB (*fdk) • OFF	Detail setting ON
Ľ			DB Backup DB R	estore 1	

- a. Click database restoration button
- b. Select backup data
- c. Click open and restore database

Equipment CGI Setup

DAC-288 comes with web browser based page access for the equipment status information as well as control.

1. DAC-288 Equipment Log-In

- 1.1 Using PC's internet browser explorer, chrome, firefox, or safari to access the internal browser page. DAC-288's web page is in HTML5 based. Previous versions of explorer v9.0, chrome 5.0, firefox 3.0, safari 4.0 can be used; however, displays may not be viewed properly.
- 1.2 Type in at internet address bar, "devicename.local" or equipment IP address. Log-in window will appear as below.
- 1.3 Enter the password(default password is "admin") then confirm by click the Log In button or by pressing the enter button key board to access web browsing interface.



2. Equipment Set Up, DEVICE TAB

	ormation					
Device Nar	ne	DAC-288	Ch	nange Name		1
Device Loc	ation	somewhere	Ch	nange Location		
Model vers	ion	0.7.2				
Dante Firm	ware Version	Bklyn2 3.7.0				
Audio RX C	hannels	8				
Audio TX C	hannels	8				
Web Passw	vord	admin	Ch	nange Web Password		
Devilee		ion for device. It d	can be set maxi	mum 32 digits by mixing	English letters and	
Device Location : Model Version : Dante	Indicate the locat numbers. It can b the text box. Indicate the versi Indicate the firm	ee changed by pre on of device. vare version of da	essing 'Change I	.ocation'-> 'Change' butt	on after modifying	
Device Location : Model Version : Dante Firmware Version : Audio Rx Channels :	Indicate the locat numbers. It can b the text box. Indicate the versi Indicate the firmv It's the number o	e changed by pre on of device. vare version of da f audio channels o	issing 'Change l ite module. of receive.	.ocation'-> 'Change' butt	n after modifying	
Device Location : Model Version : Dante Firmware Version : Audio Rx Channels : Audio Tx	Indicate the locat numbers. It can b the text box. Indicate the versi Indicate the firm It's the number o It's the number o	e changed by pre on of device. vare version of da f audio channels o f audio channels o	issing 'Change l Ite module. of receive. of transmit.	.ocation'-> 'Change' butt	n after modifying	

2.1 Once connected, the first window will be "DEVICE TAB". In this Tab, Device name, location, Equipment Versions, Information, Equipment name can be configured.

ltem	Contents	Default Value
Device Name	Display device name. Click "Change Location" to make location changes	noname
Device Location	Display device location. Click "Change Location" to make location changes.	Someware
Model Version	Display model Version.	
Dante Firmware version	Display Audinate Firmware Version	
Audio RX Channels	Display maximum RX Channels.	8
Audio TX Channels	Display maximum TX Channels.	8
Web Password	Allows you to change the password. A password can be up to 32 choracters with a combination of numbers and letters	admin

2.2 Naming the Equipment

DAC-288 requires S-CONNECT names to search and control. When multiple DAC-288s are installed, each must have a unique name. Equipment names can have up to 32 characters with mixture of alpha/ numbers.

Names can be changed/ updated by clicking "Change Name" button.

Device Na	The DAC-288 Change Name
Device Loo	cation somewhere Change Location
Model ver	sion Change Device Name
Dante Firm Audio RX (Awar Are you sure you want to change device name?
Audio TX 0	Change Cancel Change
Web Pass	word
Help and Tip	s Language/2101 ▼
Device Name :	Indicate the name for device, It can be set maximum 32 digits by mong English letters and numbers, It can be changed by pressing 'Change Name'-> 'Change' button after modifying the text box.
Device Location :	Indicate the location for device. It can be set maximum 32 digits by mixing English letters and numbers. It can be changed by pressing 'Change Location'-> 'Change' button after modifying the text box.
	Indicate the version of device.
Version :	
Model Version : Dante Firmware Version :	Indicate the firmware version of date module.
Model Version : Dante Firmware Version : Audio Rx Channels	Indicate the firmware version of date module. It's the number of audio channels of receive.
Model Version : Dante Firmware Version : Audio Rx Channels Audio Tx Channels	Indicate the firmware version of date module. It's the number of audio channels of receive. It's the number of audio channels of transmit.

2.3 Equipment Location Setting

Equipment location can be set using SNMPv1. Location can be verified within the network. Location name can have up to 32 characters, consisting of alpha/ numbers.

Location can be set/updated by clicking "Change Location" button.

Device In	formation
Device Na	me DAC-288 Change Name
Device Lo	cation somewhere Change Location
Model ver	sion Change Device Location
Dante Fin	Are you sure you want to change device location?
Audio TX	Change Change
Web Pass	word
Help and Ti	
Device Name :	Indicate the name for device. It can be set maximum 32 digits by mixing English letters and numbers. It can be changed by pressing 'Change Name'-> 'Change' button after modifying the text box.
Device Location	Indicate the location for device. It can be set maximum 32 digits by mixing English letters and r numbers. It can be changed by pressing 'Change Location'> 'Change' button after modifying the text box.
Model Version :	
Dante Firmware Version :	Indicate the firmware version of date module.
Audio Ra Channels	It's the number of audio channels of receive.
Audio Tx Channels	It's the number of audio channels of transmit.
Web Passwore	Indicate the web login password. It can be set maximum 32 digits by mixing English letters and 1: numbers. It can be changed by pressing 'Change Web Password'-> 'Change' button after mod/yout be text hox.

2.4 Password Setting

A password can be up to 32 characters with a combination of numbers adn letters. Enter the new password, then press the "Change Web Password" button to confirm.

	formation
Device Na	change Name
Model ver	sion Change Web Password
Dante Fin Audio RX	Chan Are you sure you want to change web password?
Audio TX Web Pass	Chan Cancel Change
Help and Tip	
Device Name :	Indicate the name for device. It can be set maximum 32 digits by mixing English letters and numbers. It can be changed by pressing 'Change Name'->' 'Change' button after modifying the text box.
Device Location	Indicate the location for device. It can be set maximum 32 digits by mixing English letters and r numbers. It can be changed by pressing "Change Location"-> "Change" button after modifying the text box.
Model Version :	
Dante Firmware Version :	Indicate the firmware version of date module.
Audio Rx Channels	Lt's the number of audio channels of receive.
Audio Tx Channels	It's the number of audio channels of transmit.
	Indicate the web login password. It can be set maximum 32 digits by mixing English letters and

3. Network Setting, NETWORK TAB

3.1 Network status of the Equipment. The setting can be changed.

Primary	100	IP:	169.254.42.91	MAC:	00:1d:c1:06:85:7a
	DHCP	GateWay:	0.0.0.0	DNS Server:	0.0.0.0
Set Networ	rk Primary				
Secondary	N/C	IP:	172.31.42.92	MAC:	00:1d:c1:06:85:7b
	DHCP	Gateway:	0.0.0.0	Divis Server:	0.0.0.0
Set Networ	rk Secondary				
Help and Tip	DS				Language/언어 •
Network i	information of	device.			
Pictures b	by NC, 100Mb	os or 1Gbps accor	ding to the connect co	ondition.	
IP :	Device	IP address by IPv	4 standard.		
MAC:	Unique	MAC address of t	he device.		
	MI MODELC O	ateway address o	r the device.		
GATEWA	VED . DAICO	Amain Nama Com	and address of the day		

ltem	Contents	Default Value
Primary	Displays the status of the network connection in Primary (default). In (100M/1000M), pictorial representations.	
Secondary	Secondary(Redundancy) equipment of the network connection status is displayed. In (100M/1000M), pictorial representations.	
IP	Displays the IP address of the equipment.	
MAC	Displays the unique MAC address of the device.	
Gateway	Equipment's (Gateway) address is displayed.	
DNS Server	Equipment's DNS(Domain Name System) Server address is displayed.	

3.2 Network Setting Change

Click	Set Network Primary
-------	---------------------

button and change network settings of the equipment.

Primary DHC Set	IP: Network	Prima	169.254 rv	1.42.91	MAC:	00:1d:c1:06:85:7a	
Set Network Prima	ou sure vou w	ant to ch	nance the i	network se	tting?		
• D	HCP STAT	IC					
Secondary	P ADDRESS	169	254	42	91	·85-7b	
DHC	NETMASK	255	255	0	0		
-	ONS SERVER	0	0	0	0		
Set Network Secon	SATEWAY	0	0	0	0		
Help and Tips							
						Cancel Set 201 *	
Network informa							
Pictures by NC, 100Mbp	s or 1Gbps	accordir		connect (
IP: Device	IP address b	y IPv4					
MAC: Unique							
GATEWAY : Basic g	steway addr						
DNS SERVER : DNS(DO							

Network is classified into DHCP, STATIC.

- If setting as DHCP, it brings IP information via network sharer connected to the equipment.
- If setting as STATIC, it is possible to set up by inputting network information manually.

4. Serial Configuration, SERIAL TAB

4.1 Serial communication, data transmission can be set between devices. In serial communications, there are 1:1 and 1:N ways.

ON/OFF	OFF
Buad Rate	9600 19200 38400 57600 115200
Mode	Single 1:1 Server Client Multi N:N Receiver Sender
P Address	169 254 42 91
IP Port	5454
Default Set Help and Tips Set up serial co ON/OFF Turn	Language/인어 ▼ Imunication transmit of RS-232. N/OFF device's serial communication.
Defauit Set Help and Tips Set up serial co ON/OFF Turn : : Buadrate Set uj : Mode : Set uj	Language/인어 v munication transmit of R\$-232. N/OFF device's serial communication. transmission speed of serial communication. the connection method of serial communication, Set up as Single 1:1 or Multi N:N.
Default Set Help and Tips Set up serial co ON/OFF Turn : Buadrate Set up : Mode : Set up It ope availa	Language/200 munication transmit of RS-232. N/OFF device's serial communication. transmission speed of serial communication. the connection method of serial communication. Set up as Single 1:1 or Multi N:N, ates as duplex mode or receive mode. Serial communication receive is le only in case of set up receive mode.
Default Set Help and Tips Set up serial co ON/OFF Turn 1: Buadrate Set up : Mode : Set up IP Set up Address Single : Single Multi	Language/인전 munication transmit of RS-232. N/OFF device's serial communication. transmission speed of serial communication. the connection method of serial communication. Set up as Single 1:1 or Multi N:N. ates as duplex mode or receive mode on the Multi method. Serial communication receive is le only in case of set up receive mode. IP address for serial communicate connection. Server: Set up IP address for device itself (169.254.42.91) Client: Set up device IP address that need to be connected. server: Set up multicast IP address (239.0.0.0 ~ 239.255.255.255). ender: Set up multicast IP address (239.0.0.0 ~ 239.255.255.255).

ltem	Contents	Default Value
ON/OFF	Determines whether to transmit the serial communication data.	OFF
Baud Rate	Set baud rate required for serial communication	9600
Mode	Determine serial communication method Single : TCP/IP Unicast Multi : UDP Multicast Single Server : 1:1 connect. Server setting. Single Client : 1:1 connect. Client setting. Multi Receiver : 1:N connect. Receiver setting When set by Receiver, only data can be received 1:N connect Sender setting When set by Sender, data can be sent and received.	
IP Address	Setting the IP address to be used when transferring serial communication Single Server: Set to Primary IP Single Client: Connection of the equipment that you want to set as the Primary IP Multi Receiver: IP address of Group to join (224.0.0.0~239.255.255.255) Multi Sender: IP address of the Group to join (224.0.0.0~239.255.255.255)	
IP Port	Serial communication port setting	5454
Default / Set	Default: Back to original default mode and no changes have been made. Set: All settings have been updated/saved. When applied, system will reboot and requires about 30 seconds to start and apply new settings.	

5. Contact Setting, GPIO TAB

5.1 Setting the Equipment contact control. There are two contact control methods. One is syncing audio signals and the other is combining signals from two or more devices.

	SERIAL GITO RESTART
GPIO Setting	
ON/OFF	OFF
Mode	Audio synchronization
	Transmission SINGLE Output Input MULTI Output Input
IP Address	169 254 42 91
IP Port	6464
Default Set	Language/90H •
Default Set Help and Tips	Language/언어 ▼
Default Set Help and Tips Set up dry contact to	Language/언어 · ·
Default Set Help and Tips Set up dry contact tr ON/OFF Turn ON/C :	Language/언어 ▼ ransmit method. IFF dry contact transmit.
Default Set Help and Tips Set up dry contact th ON/OFF Turn ON/C : Mode : Set up dry Audio sync SINGLE IN SINGLE IN MULTI OU MULTI INF connection	tanguage/언어 • FF dry contact transmit. Contact transmission method. hronization: Dry contact is generated by synchronized with audio output signal. JTPUT: Set up device will output dry contact, when it connects 1:1. PUT: Set up device will be input dry contact, when it connects 1:1. TPUT: Set up device will be input dry contact, when it connects 1:1. TPUT: Set up device will be input dry contact, when it connects 1:N. UT: Set up device will be input dry contact, when it connects 1:N. In case of 1:N only one must be set up as an input.
Defauit Set Help and Tips Set up dry contact tr ON/OFF Turn ON/C : Mode : Set up dry Audio sync SINGLE 01 SINGLE 1N MULTI OUT MULTI OUT P Set up IP a Address Single Inpi Single Inpi Multi Ioutpi	Language/안어 ▼ ransmit method. IFF dry contact transmit. contact transmission method. hronization: Dry contact is generated by synchronized with audio output signal. JTPUT: Set up device will output dry contact, when it connects 1:1. PUT: Set up device will be input dry contact, when it connects 1:1. PUT: Set up device will be input dry contact, when it connects 1:N. UT: Set up device will be input dry contact, when it connects 1:N. UT: Set up device will be input dry contact, when it connects 1:N. UT: Set up device will be input dry contact, when it connects 1:N. UT: Set up device will be input dry contact, when it connects 1:N. ut: Set up device IP address for device itself.(169.254.42.91) it: Set up multicast IP address (239.0.00 ~ 239.255.255.255).

DAC-288 **41**

ltem	Contents	Default Value
ON/OFF	Determines whether to transmit the contact data.	OFF
Baud Rate	Set baud rate required for serial communication	9600
Mode	Determines how to transmit contact data Audio synchronization: Equipment is synchronized with the receive channel. Once a connection is established, the routing voice receive channel is connected to the junction. Contact signal transmission by connecting two or more devices. 1:1 Used as a dry contact output when connected. Single Input: 1:1 Used as a dry contact input when connected. Multi Output: 1:N Used as a dry contact output when connected. Output is possible to multiple (N) equipment. Multi Input: 1:N Used as a contact input when connected. Input is only possible for One(1) equipment.	
IP Address	Set IP address when transmitting dry contact data. Single Output: Set the Primary IP. Single Input: Set the Primary IP. Multi Output: IP address of the Group to join (224.0.0.0~239.255.255.255) Multi input: IP address of the group to join (224.0.0.0~239.255.255.255)	
IP Port	Set the basic port when transmitting dry contact data.	6464
Default / Set	Default: Back to original default mode and no changes have been made. Set: All settings have been updated/saved. When applied, system will reboot and requires about 30 seconds to start and apply new settings.	

6. Restart, RESTART TAB

6.1 Setting can be set to original Factory Default mode settings.

DEVICE NETWORK SER	IAL GPIO RESTART	Web Log Out	
Device Restart			
Restart			
Factory Set			
Factory Set			
Help and Tips		Language/언어	- 1
Restart : Reboot the de	vice.		-
Factory Set : The device is r	eturn to factory default status. Initi	alize all set up data.	

Inte	DAC-288 (DAC-288) Configuration Web Log Out
	Please wait! Now SYSTEM will Restart!
	Wait 20 Seconds
H	elp and Tips Language/언어 •
	Restart : Reboot the device. Factory Set : The device is return to factory default status. Initialize all set up data.

7. Language setting

7.1 To change the language of web browsing interface, select the desired laguage from the dropdown menu "Language/언어" in the "Help and Tip" section.



8. Log out

8.1 The user can log out anytime by clicking the "Log out" button located on top-right corner.



InterM



Inter-M, Ltd. (Korea) began operations in 1983.

Since then, Inter-M has grown to become one of the largest manufacturers of professional audio and commercial sound electronics equipment in the world.

Inter-M has gained worldwide recognition for its own branded products, as well as private label manufacturing of electronics sold under other names (OEM).

The company is no longer just a Korean company, but rather a global company that is truly international in scope, with factories and offices in Korea and China, and sales and marketing operations located in Japan, Europe, and the U.S.A.

With more than 850 employees around the globe, Inter-M is well-poised for further growth and expansion.

Inter-M Americas, INC.

13875 ARTESIA BLVD. CERRITOS, CA 90703 USA TEL : +1-562-921-0313, FAX : +1-562-921-0370 Home Page : http://www.inter-m.net, E-mail : info@inter-m.net

Inter-M Corporation

SEOUL OFFICE : 719, DOBONG-RO, DOBONG-GU, SEOUL, KOREA TEL : +82-2-2289-8140~8, FAX : +82-2-2289-8149 Home Page : http://www.inter-m.com, E-mail : overseas@inter-m.com

MADE IN KOREA November 2014 M100001