



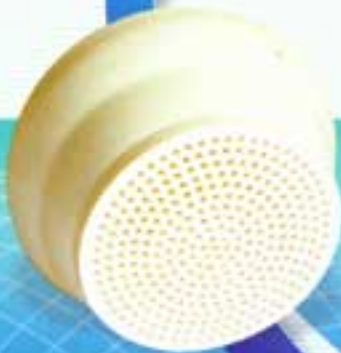
**MASER**



The power of  
**vibron**  
technology




**MASER TARRANT CRMS Software**





**ULTRASONIC FREQUENCY GENERATOR - TARRANT**  
ADVANCED RODENT CONTROL MANAGEMENT FROM MASER  
THE ULTIMATE SOLUTION FOR YOUR DOWNTIME PROBLEMS

CRMS



# TORRANT

## USFG

### Network Machine List/Activity

Status	Machine ID	Test Status
Offline	MID - 000	Unknown
Offline	MID - 001	Unknown
Online	MID - 002	ERROR
Offline	MID - 003	Unknown
Offline	MID - 004	Unknown
Offline	MID - 005	Unknown
Offline	MID - 006	Unknown
Offline	MID - 007	Unknown

### Consolidated Report - Online

Machine ID - 000

Link Status → Offline

ERROR TYPE - Link Error

Machine ID - 001

Link Status → Offline

ERROR TYPE - Link Error

Machine ID - 002

ERROR TYPE - Transducer Failure

Error Transducers:

-T4, T20, -

Machine ID - 003

Link Status → Offline

ERROR TYPE - Link Error

Machine ID - 004

Link Status → Offline

ERROR TYPE - Link Error

Machine ID - 005

Link Status → Offline

ERROR TYPE - Link Error

### Transducer Lists for MID - 007

✓ Tran - 01	✓ Tran - 05
✓ Tran - 02	✓ Tran - 06
✓ Tran - 03	✓ Tran - 07
✗ Tran - 04	✓ Tran - 08

Next CRMS test @ 06-Wed-Aug-08 - 10:00:00 PM

Connected...	Comm Port = 6	Setting = 9600,n,8,1	Test @ 1 - 887879 secs
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CRMS

MASER TORRANT USFG

Network Machine List/Activity

Status	Machine ID	Test Status
Offline	MID - 000	Unknown
Offline	MID - 001	Unknown
Online	MID - 002	ERROR!!
Offline	MID - 003	Unknown
Offline	MID - 004	Unknown
Offline	MID - 005	Unknown
Offline	MID - 006	Unknown
Offline	MID - 007	Unknown

Machine Report-Online

Machine ID - 002

ERROR TYPE - Transducer Failure  
Errant Transducers:  
-T4, T20, -  
Parameters:  
Wave Speed (PPM) - 110  
Wave Density - 95  
BAND-A time - 9  
BAND-B time - 5  
BAND-C time - 5

Save

Transducer Lists for MID - 007

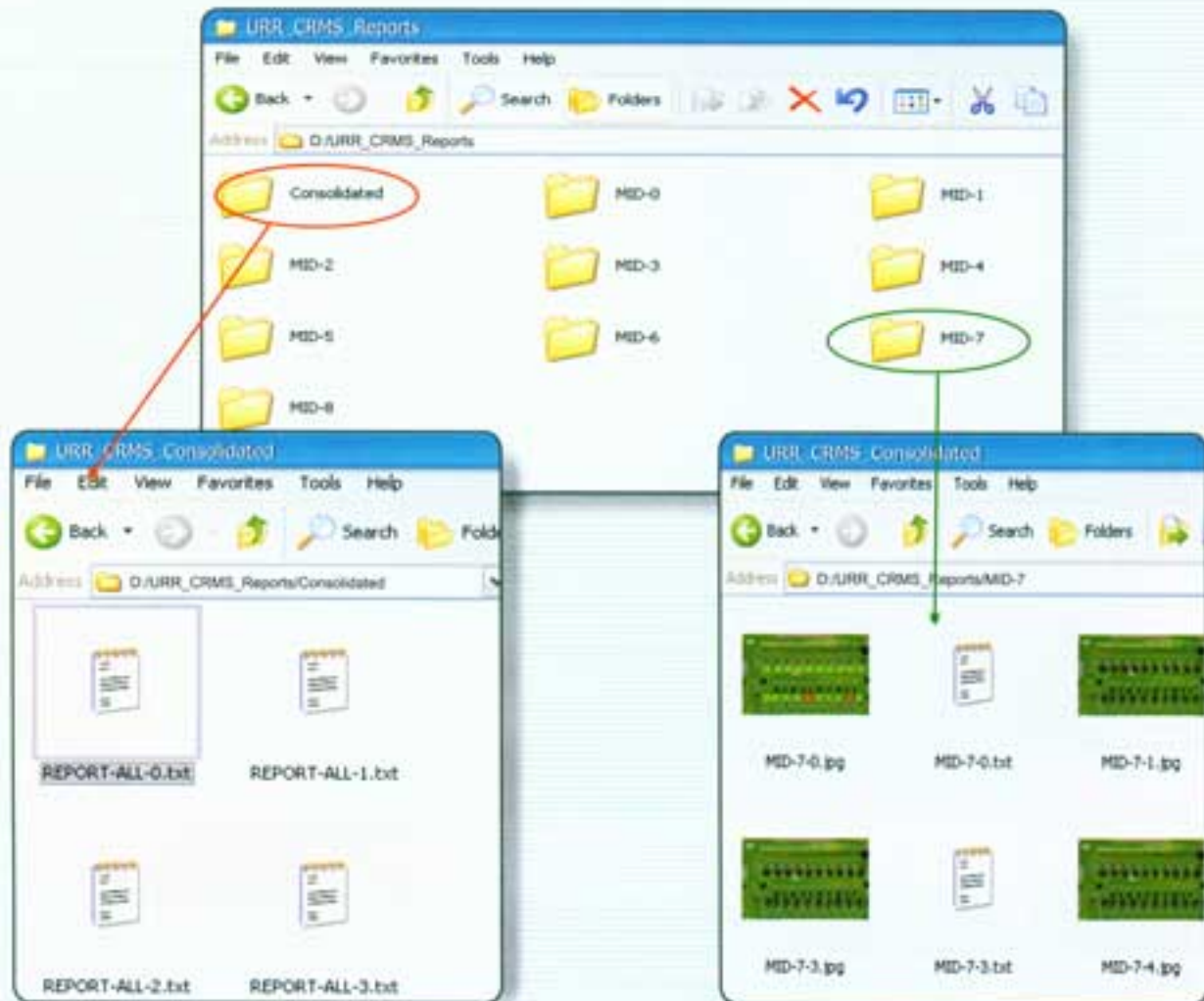
Trans - 01	Trans - 05
Trans - 02	Trans - 06
Trans - 03	Trans - 07
Trans - 04	Trans - 08

51- @ 06-Wed-Aug-08 - 10:00:00 PM

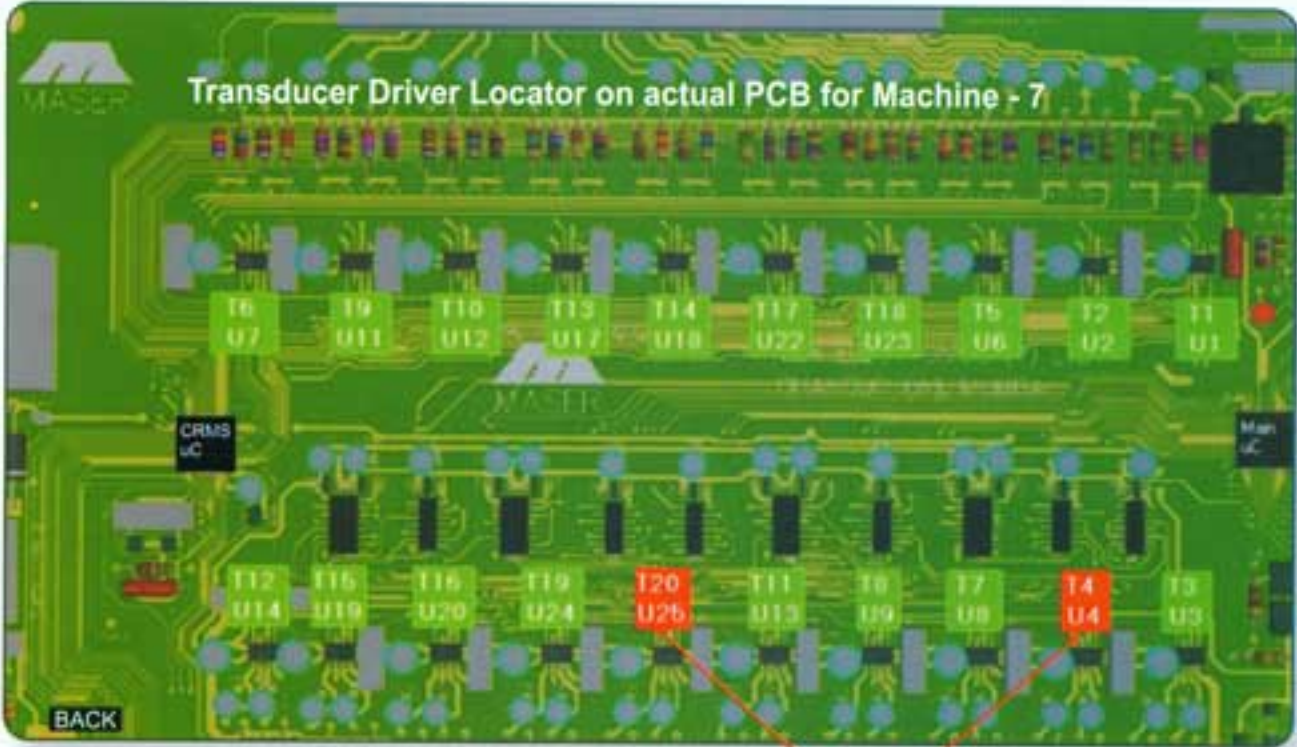
Connected... Comm Port = 6 Setting = 9600,n,8,1 Test @ 1 - 887879 secs



Individual folders for individual Torrant controller reports with the same folder name as the machine id. One single folder for the consolidated report.





PCB snapshot of the controller to check for faulty transducer drivers.



(Faulty Transducer Drivers)

Configurable control of the image quality of the PCB snapshot, thereby enabling the customer to manage the computer memory effectively.

  
**Report**

 **Report Setup**
✕

**Report type**

Consolidated Reporting

Individual Machine level reporting

Note: Unchecking both disables all text reporting.


**Transducer locator pic**

**Save**

Individual machine level transducer snapshot

Note: Unchecking disables pictorial reporting.

**Picture Quality**




Note: Higher quality requires more disk space.

**CRMS Report location**

D:\

Specify path for file storing folder.  
A folder named CRMS will be created.

 **Browse**

**Client info**

Client Name

Client Site


**Helpline / Support**

Helpline-1

Helpline-2

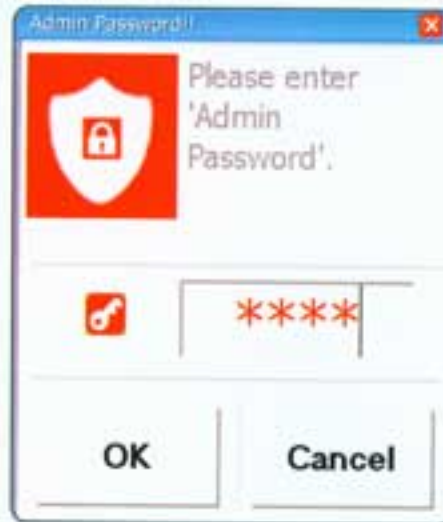
Email-1

Email-2

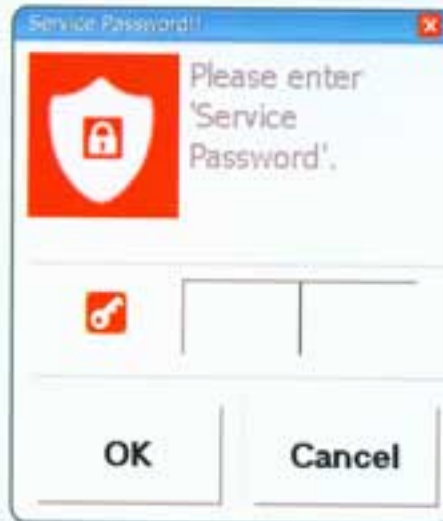
 **Update/Save**



Admin Level password for report generation and scheduling.



Service Level password for parameter configuration of all / individual controllers.



Test facility to check if the signal is being transmitted to the transducer from the drivers on the PCB.

### Transducer Lists for MID - 007

<input checked="" type="checkbox"/> Tran - 01	<input checked="" type="checkbox"/> Tran - 05	<input checked="" type="checkbox"/> Tran - 09	<input checked="" type="checkbox"/> Tran - 13	<input checked="" type="checkbox"/> Tran - 17
<input checked="" type="checkbox"/> Tran - 02	<input checked="" type="checkbox"/> Tran - 06	<input checked="" type="checkbox"/> Tran - 10	<input checked="" type="checkbox"/> Tran - 14	<input checked="" type="checkbox"/> Tran - 18
<input checked="" type="checkbox"/> Tran - 03	<input checked="" type="checkbox"/> Tran - 07	<input checked="" type="checkbox"/> Tran - 11	<input checked="" type="checkbox"/> Tran - 15	<input checked="" type="checkbox"/> Tran - 19
<input checked="" type="checkbox"/> Tran - 04	<input checked="" type="checkbox"/> Tran - 08	<input checked="" type="checkbox"/> Tran - 12	<input checked="" type="checkbox"/> Tran - 16	<input checked="" type="checkbox"/> Tran - 20

### Transducer Lists for MID - 000

? Tran - 01	? Tran - 05	? Tran - 09	? Tran - 13	? Tran - 17
? Tran - 02	? Tran - 06	? Tran - 10	? Tran - 14	? Tran - 18
? Tran - 03	? Tran - 07	? Tran - 11	? Tran - 15	? Tran - 19
? Tran - 04	? Tran - 08	? Tran - 12	? Tran - 16	? Tran - 20

? Tran - 06 Status -Unknown  
(machine is offline)

Tran - 03 Status -Healthy

Tran - 04 Status -Error



Ping facility to check if all the controllers installed at the customer site are in the daisy chain network. If not then the corresponding controller will have an 'Offline' status else it will have an 'Online' status.

Network Machine List/Activity

Status	Machine ID	Test Report	Pulses/Min	Steps/Sec	SeqA(20-4...	SeqB
Offline	MD-000	Unknown	00	00	00	00
Offline	MD-001	Unknown	00	00	00	00
Online	MD-002	Unknown	00	00	00	00
	MD-003	Unknown	00	00	00	00
	MD-004	Unknown	00	00	00	00
	MD-005	Unknown	00	00	00	00
	MD-006	Unknown	00	00	00	00
	MD-007	Unknown	00	00	00	00
	MD-008	Unknown	00	00	00	00

Setup

CRMS

Ping attempt... 1 of 2

MacID  
002

Configurable ping acknowledgement / return time. This would be the time for which Maser Torrant CRMS software would wait for the controller to respond before it confirms the status of the controller as 'Online' or 'Offline'.



SETUP - Network

Machines IDs - Range

MD => 000 TO 8

Selects the range of Machine ID's in the BMS network, eg. If there are 50 machines in the BMS network - Range -> MD 000 TO 049.

Ping Test

No. of Ping tries 2

Sets no. of Pings before machine is considered offline.

Ping Return Time

Wait time 2 sec

Sets time to wait for Ping - Ping acknowledgement.

Auto Connect time

Wait time 12 sec

Sets time to wait before attempting to auto connect to default / last successful port.

Test facility to test all controllers in a sequential mode or in an individual mode.

Network Machine List/Activity

Status	Machine ID	Test Report	Pulses/Min	Steps/Seq.	SeqA(20-6...	Seq
Offline	MID - 000	Unknown	00	00	00	00
Offline	MID - 001	Unknown	00	00	00	00
Online	MID - 002	ERROR!!	120	100	05	05
Offline	MID - 003	Unknown	00	00	00	00
Offline	MID - 004	Unknown	00	00	00	00
Offline	MID - 005	Unknown	00	00	00	00
Offline	MID - 006	Unknown	00	00	00	00
Online	MID - 007	ERROR!!	115	100	05	05
Offline	MID - 008	Unknown	00	00	00	00

**View**



Test attempt... 1 of 2



MacID  
001







Centralized Reporting & Monitoring System Software



TORRANT  
USFG  
Microprocessor



### **MASER ELECTRONICS (P) LTD.**

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Tel.: 2566 2631 (6 Lines) • Fax : 2566 5907 • E-mail : support@maserindia.com  
Web : www.maserindia.com

## Salient Features of MASER TORRANT CRMS Software:

### MASER TORRANT CRMS Software

- Easy to install.
- Centralized Reporting and Monitoring System.
- Facility to configure MASER Tarrant USFG controller parameters for all controllers in one go (broadcast) or for an individual controller.
- Facility to schedule / generate a consolidated Health Status Report of all the controllers and / or an individual controller. This is possible either with the help of the inbuilt scheduler or in real time.
- Individual folders for individual Tarrant controller reports with the folder name, same as the machine id. One single folder for the consolidated report.
- PCB snapshot of the controller to check for faulty transducer drivers.
- Configurable control of the image quality of the PCB snapshot, thereby enabling the customer to manage the computer memory effectively.
- Admin Level password for report generation and scheduling.
- Service Level password for parameter configuration of all / individual controllers.
- Test facility to check if the signal is being transmitted to the transducer from the drivers on the PCB.
- Ping facility to check if all the controllers installed at the customer site are in the daisy chain network. If not, then the corresponding controller will have an 'Offline' status else it will have an 'Online' status.
- Configurable ping acknowledgement / return time. This would be the time for which Maser Tarrant CRMS software would wait for the controller to respond before it confirms the status of the controller as 'Online' or 'Offline'.
- Test facility to test all controllers in a sequential mode or in an individual mode.



### SALIENT FEATURES

Easy to install.

MASER CRMS Set Up



MASER CRMS Set Up







MASER CRMS Set Up



## Centralized Reporting & Monitoring System

CRMS Ultrasonic Repellent Repeller Setup

### Network Machine List/Activity

Status	Machine ID	Test Report	Pulses/Min	Steps/Sec.	SegA(20-6...	Seg
Offline	MID - 000	Unknown	00	00	00	00
Offline	MID - 001	Unknown	00	00	00	00
Online	MID - 002	ERROR!!	120	100	05	05
Offline	MID - 003	Unknown	00	00	00	00
Offline	MID - 004	Unknown	00	00	00	00
Offline	MID - 005	Unknown	00	00	00	00
Offline	MID - 006	Unknown	00	00	00	00
Online	MID - 007	ERROR!!	115	100	05	05
Offline	MID - 008	Unknown	00	00	00	00

View

### Transducer Lists for MID - 007

Tran - 01	Tran - 05	Tran - 09	Tran - 13	Tran - 17
Tran - 02	Tran - 06	Tran - 10	Tran - 14	Tran - 18
Tran - 03	Tran - 07	Tran - 11	Tran - 15	Tran - 19
Tran - 04	Tran - 08	Tran - 12	Tran - 16	Tran - 20

### Setup

CRMS Service

### Tests

Test All Test Machine

### Reports

All Units Selected Unit PCB View

Connect

11/23/2008 Next CRMS test @ 29-Tue-Jul-08 - 04:00:00

Connected... Comm Port = 14 Setting = 9600,n,8,1 CRMS @ 1 - 534785


Facility to configure MASER Torrent USFG controller parameters for all controllers in one go (broadcast) or for an individual controller.

### Parameter Setup

Enter Parameters to set

Wave Speed	->	060	▼
Wave Density	->	080	▼
BAND-A Time (Mins)	->	05	▼
BAND-B Time(Mins)	->	05	▼
BAND-C Time(Mins)	->	05	▼

Broadcast to All


  
**Set All**

Set the same Parameters on all machines on network.

Set Individual Machine Para

Machine ID	->	000	▼
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Set the machine id for which you wish to change parameters.

  
**Set**





Facility to schedule / generate a consolidated Health Status Report of all the controllers and / or an individual Controller. This is possible either with the help of the inbuilt scheduler or in real time.



**Automated Schedule - CRMS**

**CRMS TEST Scheduler**

Daily Weekly Fortnightly Monthly

Select frequency of testing.

**DAY OF WEEK** Day THU

Sets Day of week. (Mon - Sun)  
Note: Not used for Daily and Monthly schedule mode.

**DAY OF MONTH** Day 24

Sets Day of Month (1 to 31)  
Note: Last day of month will be taken for month not having that date of month.

**CRMS TIME** Time 04:00 PM

Sets time for Testing

→ 24-Thu-Jul-08 - 04:00:00 PM←  
— Press 'Update Schedule' to save changes —

Update Schedule



Report

### Report Setup

#### Report type

- Consolidated Reporting
- Individual Machine level reporting

Note: Unchecking both disables all text reporting.

#### Transducer locator pic

##### Save

- Individual machine level transducer snapshot

Note: Unchecking disables pictorial reporting.

##### Picture Quality



Note: Higher quality requires more disk space.

#### CRMS Report location

D:\

Specify path for file storing folder.

A folder named CRMS will be created.



Browse

#### Client Info

Client Name

Enter Name

Client Site

Enter Address

#### Helpline / Support

Helpline-1

91 2566 2631

Helpline-2

91

Email-1

support@maserindia.com

Email-2



Update/Save

## Sample Consolidated Health Status Report of Torrant Controller

\*\*\*\*\*CONSOLIDATED REPORT\*\*\*\*\*

Client Name - Client Name  
Client Site - Client Site

Machine ID Range - 000 to 005

Report date - 24/03/2008  
Report time - 12:04:00

CRMS schedule date & time -

-----Machine ID - 000-----

ERROR TYPE - Transducer Failure  
Errant Transducers :  
-T20

-----Machine ID - 001-----

All OK

-----Machine ID - 002-----

ERROR TYPE - Transducer Failure  
Errant Transducers :  
-T01, T09

-----Machine ID - 003-----

All OK

-----Machine ID - 004-----

ERROR TYPE - Link Error

-----Machine ID - 005-----

All OK

\*\*\*\*\*  
Incase of Machine failure / error contact:

Helpline 1 - 91 2566 2631  
Helpline 2 91 98205 41517  
Email 1 - support@maserindia.com  
Email 2

## Sample Individual Health Status Report of Torrant Controller

\*\*\*\*\*MACHINE REPORT\*\*\*\*\*

Client Name : Client Name  
Client Site : Client Site

Machine : ID - 5

"Report DATE - 24-Jul-08"  
Report time - 1:30:50 PM

CRMS schedule date & time - 24-Jul-08 04:00:00 PM

ERROR TYPE - Link Error  
Link Status ---> OFFLINE

Incase of Machine failure / error contact:

Helpline 1 - 91 2566 2631  
Helpline 2 91 98205 41517  
Email 1 - support@maserindia.com  
Email 2 -